

SERVICE MANUAL

IBIS XA / XC



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This manual

This manual contains the basic instructions for repairs and general maintenance of the Ibis manually operated wheelchair.

Mechanics who do repairs on this wheelchair must be well trained and familiar with the repair methods and the maintenance of the Ibis wheelchair.

Always make sure that the work is carried out safely, particularly with respect to procedures requiring the wheelchair to be lifted up.

We advise that you contact our service department before doing repair work on a wheelchair that has been involved in an accident.

The following specifications are important when ordering parts:

- Model
- Year of manufacture
- Colour
- Identification number
- Part number
- Name of the part concerned

This information is provided on the identification plate. See 'Identification of the product'.

Available documentation

The following technical documentation is available / required to service this wheelchair:

- User manual
- Service manual

Service and technical support

For information concerning specific settings, maintenance or repair works please contact your dealer. He is always prepared to help you.

Ensure you have at hand:

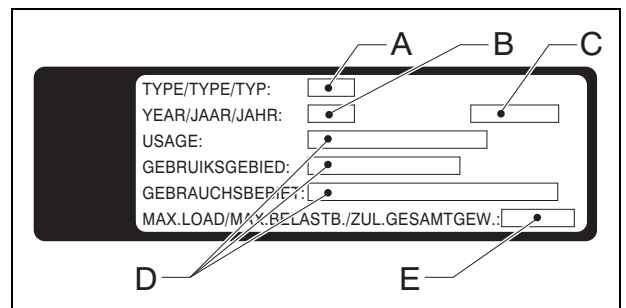
- Model
- Year of manufacture
- Identification number

This information is provided on the identification plate. See 'Identification of the product'.

Identification of the product

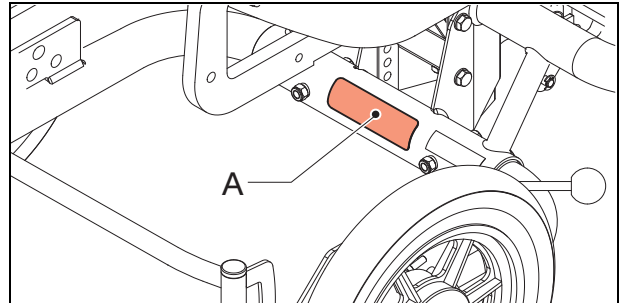
The identification plate contains the following data:

- A. Model
- B. Year of manufacture
- C. Identification number
- D. Use area indoors or outdoors
- E. Maximum load in kg



The location of the identification plate differs per model:

- A. Ibis XA, Ibis XC, Ibis XC 16" and Ibis XC Power Support



Warranty

Definitions of terms used in this warranty:

- Consumable part: Part that is subjected to natural wear and tear or natural contamination during normal operation within the lifetime of the product (section 9 of Handicare's general terms and conditions of sale);
- Client: Those who purchase the product directly from Handicare;
- Corrective action: Repair, replace or refund of the product;
- Dealer: Those who re-sell the product to the User;
- Defect: Any circumstance due to which the product is not sound or fit to use, caused by a lack of quality of the material used to manufacture the product as well as the quality of the manufacturing process;
- Option: An accessory delivered by Handicare to extend the standard product model;
- Product: Product that is delivered according to brochure or contract (e.g. wheelchair, scooter, battery-charger etc.);
- Part: Part of product that can be exchanged or replaced. This can be an option, accessory, service part or consumable part;
- Returns: Product or part that needs to be returned;
- RMA-process: Process to return goods, contact Handicare's Customer Service;
- Service part: Part that is durable and may be subjected to natural wear and tear or natural contamination during normal operation within the lifetime of the product.;
- User: Those who use the product;
- Warranty: The rights and obligations set forth in this document;
- Warranty period: The period of time during which the warranty is valid;
- Warranty provider: Handicare B.V., Vossenbeemd 104, 5705 CL Helmond, The Netherlands.

Notwithstanding the rights and obligations of Handicare, Client and User set forth in Handicare's general terms and conditions of sale, the rights of the Client and/or User towards Handicare in case of defects are limited to the provisions set forth in this warranty. For the duration of the warranty period Handicare guarantees that the product is without defects.

In case of any defects the User is required –within two weeks after discovery of the defect- to contact the dealer. He has to complete a return form and return the product or part via the RMA-process. Handicare will, at its sole discretion, take the corrective action it seems fit under the given circumstances within a reasonable period of time (depends on nature of claim) from receipt of the completed return form. The warranty period will not be extended after a corrective action.

Warranty period table

Manual wheelchairs

Description	Warranty period	Examples include, but are not limited to the parts mentioned below
Frame	2 years	Weldment/frame
Service Parts	New: 1 year after invoice Repaired: 90 days after invoice	Brakes
Consumable parts	40 days after invoice	Seat- and back textiles, wheels, griphandles etc.
Options/Accessories	2 years	Headrests, legrests, drum brake etc. Not being service part or consumable part.

Seating

Description	Warranty period	Examples include, but are not limited to the parts mentioned below
Frame	2 years	Weldment/frame
Electronics	1 year	Electronic components
Service Parts	New: 1 year after invoice Repaired: 90 days after invoice	Metal parts
Consumable parts	40 days after invoice	Upholstery etc.
Options/Accessories	2 years	Lap strap, bag brackets etc.

Adjustment options

Handicare will only accept shipment costs and corrective costs related to warranty on equipment during the warranty period.

This warranty will void in case of:

- The product and/or its parts being modified or items having been added by others than Handicare;
- Changes in cosmetic appearance by use;
- Failure to observe the instructions for use and maintenance, use other than normal use, wear and tear, negligence, collateral damage by neglect of earlier symptoms, overloading, third-party accidents, non-original parts used and defects not caused by the product;
- Circumstances beyond our control (flood, fire, etc.).

This warranty does not cover:

- Tyres and inner tubes
- Batteries (covered by the battery manufacturer's warranty).

Clients and/or Users have legal (statutory) rights under applicable national laws relating to the sale of consumer products. This warranty does not affect statutory rights you may have nor those rights that cannot be excluded or limited, nor rights against the entity from whom the product was purchased. Clients may assert any rights they have at their sole discretion.

Wheelchairs and the environment



If the wheelchair needs to be replaced, it can usually be taken back by your dealer. If this is not possible, please contact your local authorities for the possibilities of recycling or an environmentally friendly way of disposing of the used materials.

For the production of the wheelchair various plastics and metals have been used.

Depending on the version, the wheelchair can contain electronic components that belong to electronic waste, while the batteries belong to chemical waste.

1 Maintenance

1.1 Maintenance table

Everything that is used should be maintained. This is also true for your wheelchair.

Below, we have indicated what needs to be checked, how often this should be done, and by whom.

Time	Type Ibis		Description	To be carried out by	
	XA	XC		User	Dealer
Weekly	X	X	• Checking the tyre pressure	X	-
Monthly	X	X	• Cleaning of the frame.	X	-
	X	X	• Cleaning of the upholstery (if necessary)	X	-
Annually (if necessary)	X	X	• General overhaul	-	X
	X	X	• Checking the bearings	-	X
	X	X	• Checking all fastenings and bolts: tighten if necessary	-	X
	X	X	• Checking and cleaning of the brakes.	-	X

It is recommended to have your wheelchair serviced by your dealer at least once a year, or, in case of intensive use, once every six months.

1.2 Replacement and repair activities for the Ibis XA

1.2.1 Rear wheels

To ensure proper operation of the wheelchair, it is very important that the tyres are kept at the correct pressure.

Soft tyres yield less than optimal driving for the wheelchair. It also costs more energy to move the wheelchair forward. Moreover, tyre wear when driving on soft tyres is unnecessarily great.

For the right tyre tension, see 'Product specifications'.



Note when filling the tyres that the pressure never exceeds the maximum specified value provided in the table 'product specification', or as indicated on the side of the tyre. When in doubt, contact your dealer / supplier.

For the inspection of the tyres, see the 'maintenance table'.

1.2.2 Replacing rear wheels

The rear wheels should be removed as follows:

- Remove locking nut (A) with a 17 mm box spanner.
- Remove the complete rear wheel (B) from axle (C).
- Remove the tyres, see 'Repairing the tyre of the rear wheel' or 'Replacing the tyre of the rear wheel'.

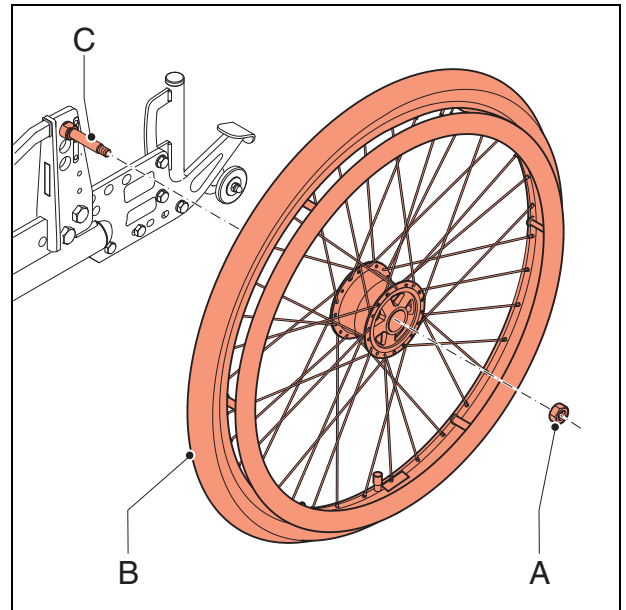
Fit the new wheel in the reverse order.



Attention:

The locknut may not be used again – use a new one when replacing.

Always check the proper locking of the rear wheels. Try to pull the wheel out of the frame in axial direction. If the wheel comes out, it is not properly secured. In that case, you should repeat the above actions.



1.2.3 Repairing the tyre of the rear wheel

Repair a flat tyre as follows:

- Remove the rear wheel to be repaired from the wheelchair. See 'Removing the rear wheels'.
- Twist off the valve to let the air out of the tyre completely.
- Using tyre levers pull one side of the tyre across the edge of the rim.
- Remove the inner tube from the rim.
- Repair the inner tube or replace it (this is done in the same way as a bicycle tyre).

Reassemble the tyre (with repaired or new inner tube) as follows:

- Put the valve through the opening in the rim.
- Carefully place the tyre around the rim.
- Add a little air to the inner tube in order to position it comfortably around the rim.
- Pull the tyre onto the rim as far as possible.
- Allow all air to escape from the inner tube.
- Now pull the tyre completely onto the centre of the rim as tightly as possible.
The rim has a room into which the tyre must be pulled, in order to create sufficient space to be able to pull the complete tyre onto the rim by hand.
- Pull the tyre completely onto the rim.



Do not use tyre levers to do this, because the inner tube is easily damaged by these. Moreover, the tyre is easily assembled without tyre levers.

- Make sure that the tyre is properly fitted onto the rim.



The inner tube may not protrude from under the tyre anywhere!

- Pump up the tyre.
- Mount the wheel back onto the wheelchair. See 'Removing the rear wheels'.

1.2.4 Replacing the tyre of the rear wheel

The tyre should be replaced as follows:

- Remove the rear wheel to be repaired from the wheelchair. See 'Removing the rear wheels'.
- Twist off the valve to let the air out of the tyre completely.
- Using tyre levers, pull one side of the tyre across the edge of the rim.
- Remove the inner tube from the rim.
- Remove the other part of the tyre from the rim.

Now install a new tyre as follows:

- Place one side of the new tyre across the rim.
- Put the valve through the opening in the rim.
- Carefully place the tyre around the rim.
- Add a little air to the inner tube in order to position it comfortably around the rim.
- Pull the tyre onto the rim as far as possible.
- Allow all air to escape from the inner tube.
- Now pull the tyre completely onto the centre of the rim as tightly as possible.
The rim has a room into which the tyre must be pulled, in order to create sufficient space to be able to pull the complete tyre onto the rim by hand.
- Pull the tyre completely onto the rim.



Do not use tyre levers to do this, because the inner tube is easily damaged by these. Moreover, the tyre is easily assembled without tyre levers.

- Make sure that the tyre is properly fitted onto the rim.



The inner tube may not protrude from under the tyre anywhere!

- Pump up the tyre.
- Mount the wheel back onto the wheelchair. See 'Removing the rear wheels'.

1.2.5 Adjusting the pressure brake

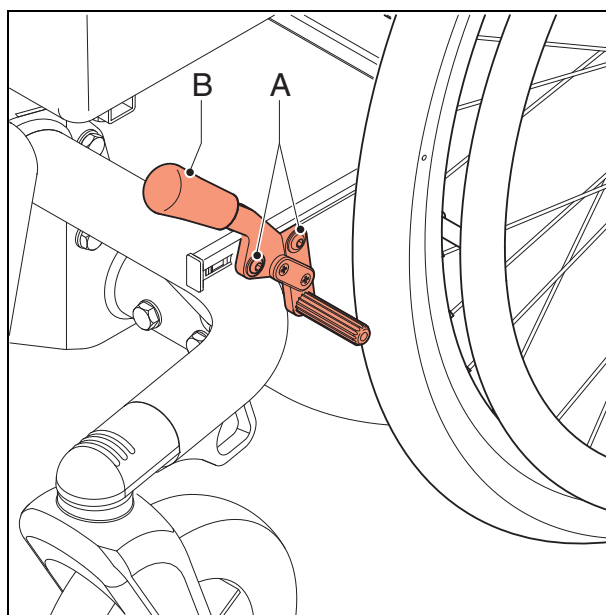
The wheelchair is fitted with pressure brakes on the rear wheels, which the user can operate by hand.

Proper functioning of the brakes is essential. That's why the brakes have to be:

- properly adjusted
- replaced in time.

Adjust the brakes as follows:

- Loosen screw (A) one turn using a 5 mm Allen key.
- Slide brake unit (B) along the tube for the adjustment.
 - away from the wheel: brake looser.
 - towards the wheel: brake tighter.
- Tighten the screw in the set position.



1.3 Replacement and repair activities for the Ibis XC and XC 16" and XC Power Support

1.3.1 Rear wheels

To ensure proper operation of the wheelchair, it is very important that the tyres are kept at the correct pressure.

Soft tyres yield less than optimal driving for the wheelchair. It also costs more energy to move the wheelchair forward. Moreover, tyre wear when driving on soft tyres is unnecessarily great.

For the right tyre tension, see 'Product specifications'.



Note when filling the tyres that the pressure never exceeds the maximum specified value provided in the table 'product specification', or as indicated on the side of the tyre. When in doubt, contact your dealer / supplier.

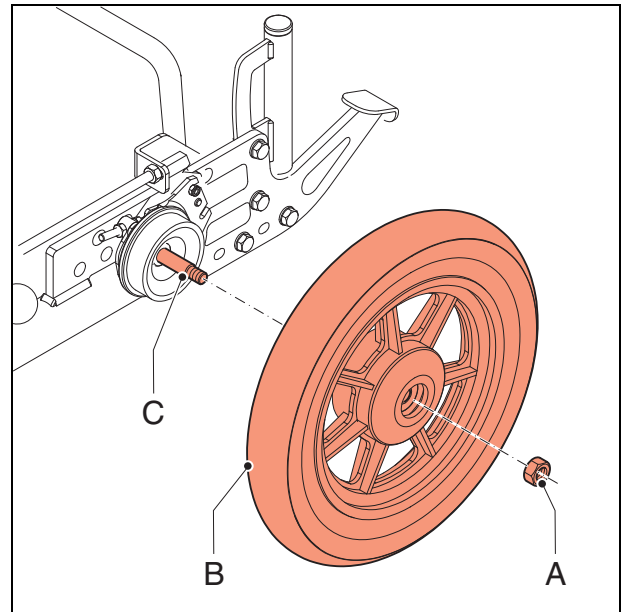
For the inspection of the tyres, see the 'maintenance table'.

1.3.2 Replacing the rear wheel of the Ibis XC

When replacing a rear wheel, the wheel may not be braked. Replace the rear wheel as follows:

- Support the wheelchair in such a way that the wheel is elevated.
- Remove locking nut (A) with a 12 mm box spanner.
- Pull wheel (B) off the axle (C).
- Remove the tyres; see 'Repairing the tyre of the drive wheel' or 'Replacing the tyre of the drive wheel'.

Fit the new wheel in the reverse order.

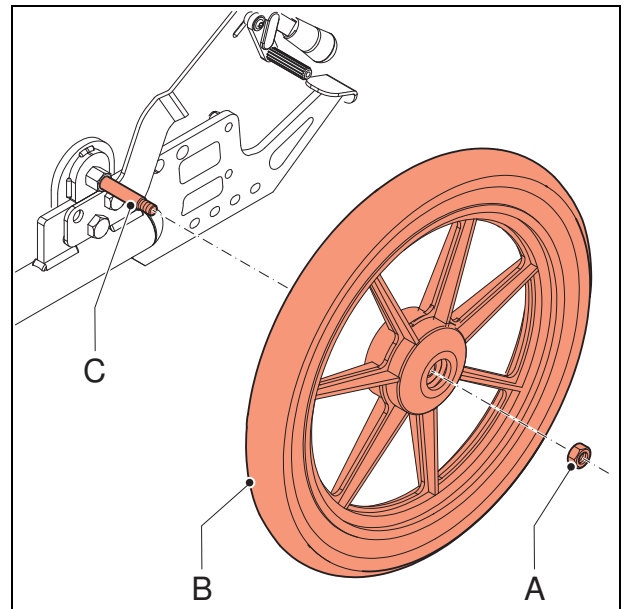


1.3.3 Replacing the rear wheel of Ibis XC 16" (option)

When replacing a rear wheel, the wheel may not be braked. Replace the rear wheel as follows:

- Support the wheelchair in such a way that the wheel is elevated.
- Remove locking nut (A) with a 17 mm box spanner.
- Pull wheel (B) off the axle (C).
- Remove the tyres; see 'Repairing the tyre of the drive wheel' or 'Replacing the tyre of the drive wheel'.

Fit the new wheel in the reverse order.

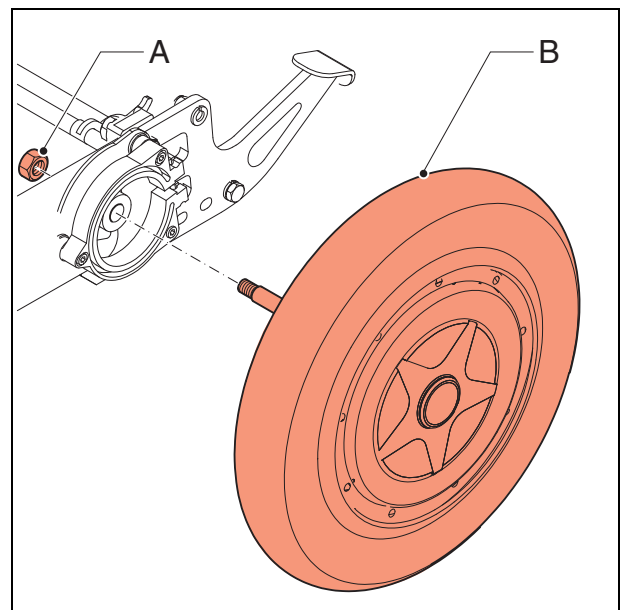


1.3.4 Replacing the rear wheel of Ibis XC with Power Support (option)

When replacing a rear wheel, the wheel may not be braked. Replace the rear wheel as follows:

- Support the wheelchair in such a way that the wheel is elevated.
- Remove nut (A) with a 19 mm open-ended spanner.
- Remove wheel (B).
- Remove the tyres; see 'Repairing the tyre of the drive wheel' or 'Replacing the tyre of the drive wheel'.

Fit the new wheel in the reverse order.



1.3.5 Repairing the tyre of the rear wheel

When repairing the inner tube of a rear wheel, the wheel should be braked, so that it does not rotate at the same time.

Repair a flat tyre as follows:

- Support the wheelchair in such a way that the wheel is elevated.
- Pull out the valve to completely deflate the tyre.
- Using tyre levers pull the front of the tyre across the edge of the rim.
- Carefully pull the inner tube across the edge of the rim.
- Push the valve from the opening in the rim.
- Pull the inner tube from the tyre for repair or replacement.
- Repair the inner tube or replace it.

Now, the repaired or new inner tube should be placed as follows:

- Put the valve of the inner tube through the opening in the rim.
- Press the inner tube into the tyre.
- Place the tyre around the rim.
- Use tyre levers to place the tyre around the rim: be careful not to damage the inner tube with the tyre levers.



The inner tube must not become jammed between the rim and the tyre.

- Pump up the inner tube, see 'technical data'.
- Remove the support from under the wheelchair.
The wheelchair is ready for use.

1.3.6 Replacing the tyre of the rear wheel

When replacing a tyre of a rear wheel, the wheel should be braked, so that it does not rotate at the same time.

Replace a tyre as follows:

- Support the wheelchair in such a way that the wheel is elevated.
- Pull out the valve to completely deflate the tyre.
- Using tyre levers pull the front of the tyre across the edge of the rim.
- Carefully pull the inner tube across the edge of the rim.
- Push the valve from the opening in the rim.
- Pull the inner tube from the tyre.
- The whole tyre can now be removed.

Now the tyres (with repaired or new inner tube) should be assembled as follows:

- Place one side of the tyre around the rim.
- Put the valve of the inner tube through the opening in the rim and press the inner tube into the tyre.
- Place the tyre around the rim.
- Use tyre levers to place the tyre around the rim: be careful not to damage the inner tube with the tyre levers.



The inner tube must not become jammed between the rim and the tyre.

- Pump up the inner tube, see 'technical data'.
- Remove the support from under the wheelchair.
The wheelchair is ready for use.

1.3.7 Adjusting the brake of an Ibis XC

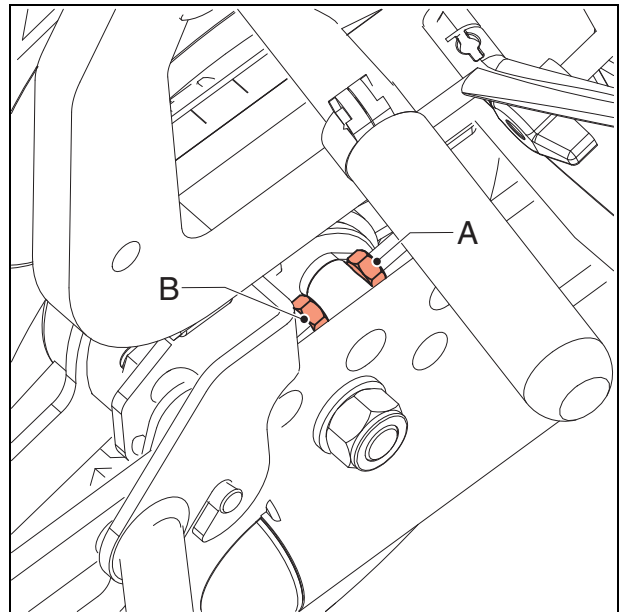
The wheelchair is equipped with drum brakes on the rear wheels, which can be either operated by hand by the user, or with the foot by the person pushing the wheelchair.

Proper functioning of the brakes is essential. That's why the brakes have to be:

- properly adjusted
- replaced in time.

Adjust the brakes as follows:

- Loosen nut (A).
- Remove nut (B) with a 10 mm open-ended spanner.
 - Clockwise: brake tighter.
 - Anti-clockwise: brake looser.



1.3.8 Adjusting the pressure brake of the Ibis XC 16" (option)

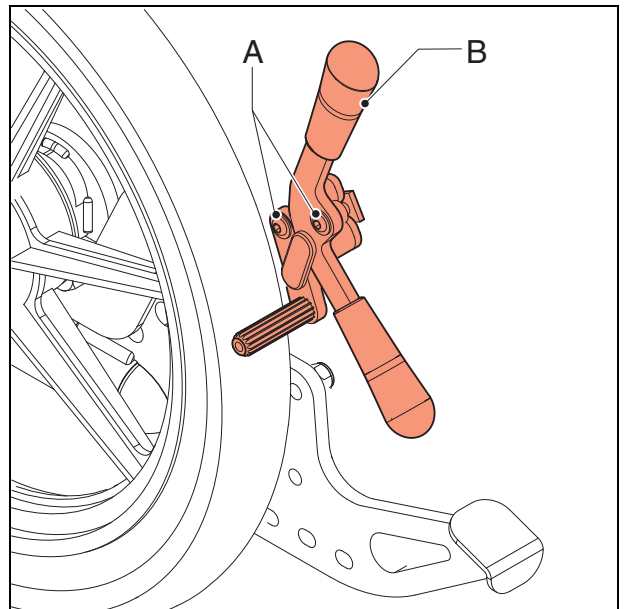
The wheelchair is equipped with drum brakes on the rear wheels, which can be either operated by hand by the user, or with the foot by the person pushing the wheelchair.

Proper functioning of the brakes is essential. That's why the brakes have to be:

- Properly adjusted
- Replaced in time.

Adjust the brakes as follows:

- Loosen screw (A) one turn using a 5 mm Allen key.
- Slide brake unit (B) along the tube for the adjustment.
 - Away from the wheel: brake looser.
 - Towards the wheel: brake tighter.
- Tighten the screw in the set position.

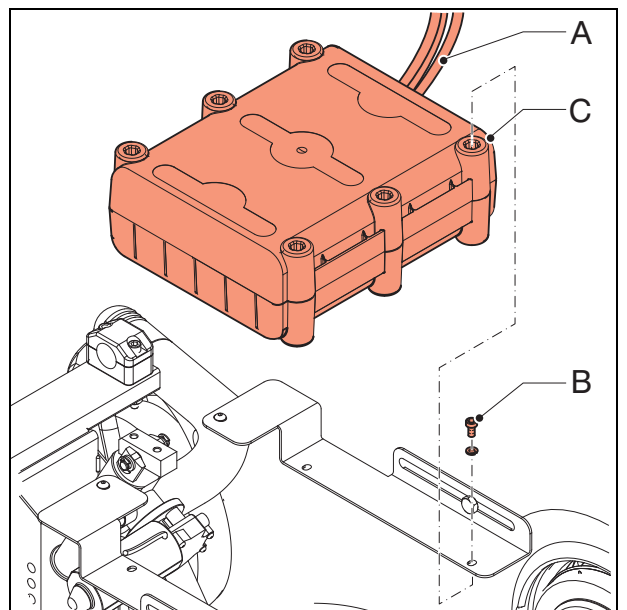


1.3.9 Replacing the battery pack of the Ibis XC Power Support (option)

Replace the battery pack as follows:

- Disconnect cables (A) to the motor and the controller.
- Loosen the four screws (A) using a 4 mm Allen key.
- Remove battery pack (C).

Fit the battery pack in the reverse order.

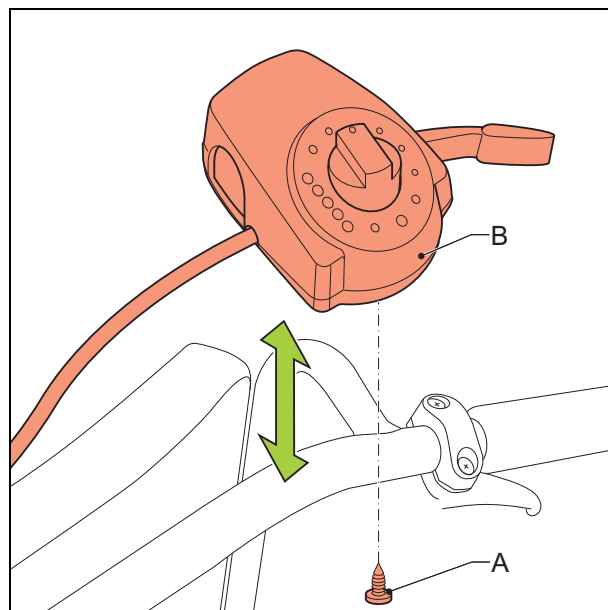


1.3.10 Replacing the controller of the Ibis XC Power Support (option)

Replace the controller as follows:

- Cut the Ty-Raps that hold the cable.
- Loosen three cross-head screws (A).
- Remove the controller.

Fit a new controller in the reverse order.

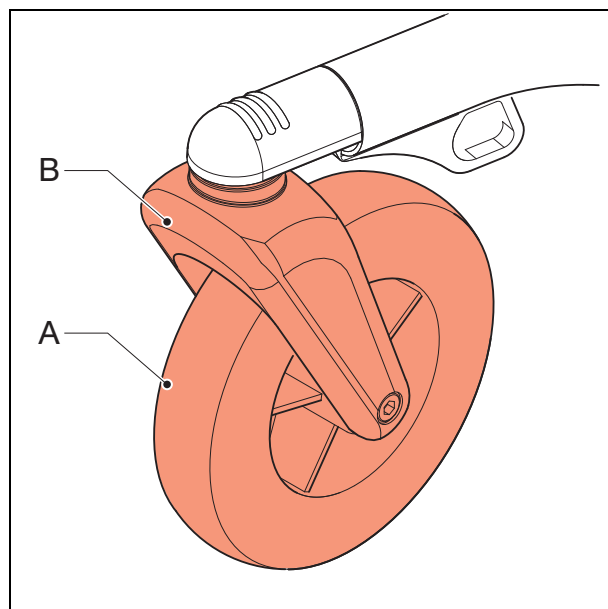


1.4 Replacing the swivel castor

For the proper functioning of the wheelchair, it is very important that the wheels are kept in order.

The following parts can be replaced:

- Wheel (A), see 'Replacing a wheel'.
- Fork (B), see 'Replacing a fork'.

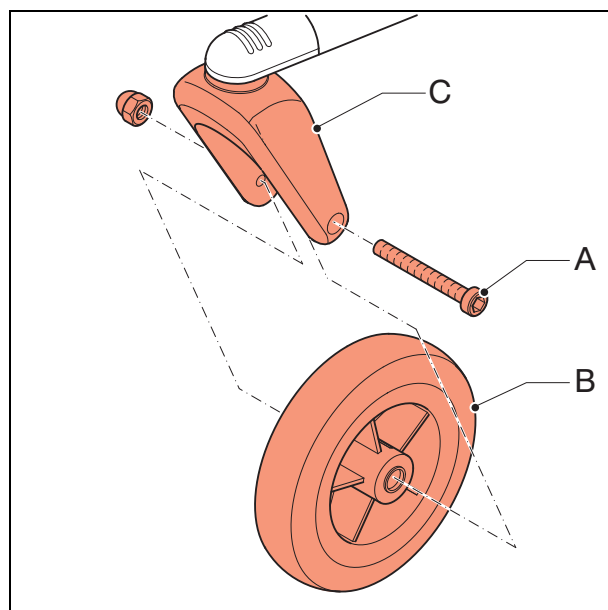


1.4.1 Replacing a wheel

Replace a wheel as follows:

- Loosen the Allen bolt (A) with an Allen key with a key width of 5 mm.
- Slide wheel (B) out of the fork (C).

Fit a new wheel in the reverse order.



1.4.2 Replacing a fork

Replace the fork as follows:

- Remove the wheel from the fork; see 'Replacing a wheel'.
- Remove screw (A) with a Phillips screwdriver.
- Remove cap (B).
- Loosen bolt (C) using a 19 mm box spanner and prevent nut (D) from moving with a 19 mm ring spanner.
- Take fork (E) out of the frame.
Take care not to lose the washers (F).

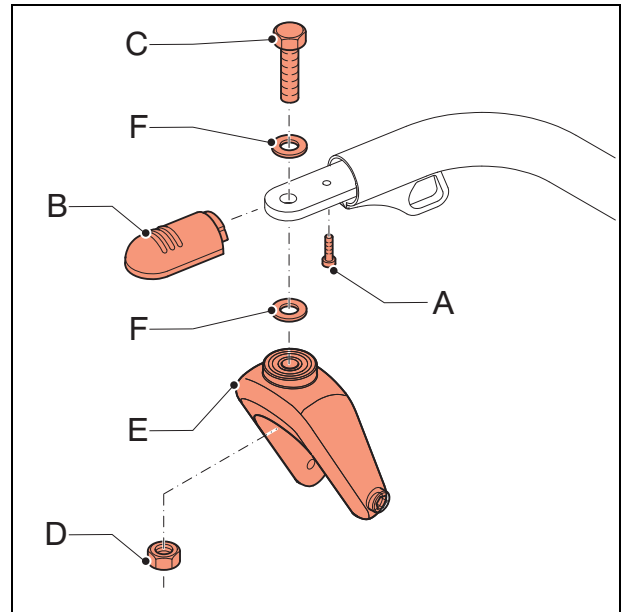
Mount the fork in the reverse order.

Use a locknut M12 Precote 80. The small height of the locknut allows to insert the hex bolt top to bottom and fasten the locknut from the bottom side. Use a torque of 70 to 80 Nm to fix the nut.



Attention:

The locknut may not be used again – use a new one when replacing.



1.5 Cleaning

Removing dry dirt

Upholstery, metal parts and frame parts can usually be cleaned easily with a dry soft cloth.

Removing mud and/or other wet dirt

Parts that are soiled with wet dirt can best be cleaned by first wiping the dirty parts with a wet sponge and then wiping them dry with a dry soft cloth.

Upholstery

Cleaning with a damp cloth and household soap. After removing the dirt the cleaned parts should be wiped dry with a soft dry cloth.



- *Never use abrasive or aggressive cleansers. They may damage the wheelchair.*
- *Also do not use organic solvents such as thinner, dry-cleaning naphtha, or white spirit.*
- *Upholstery: do not dry clean, iron or spin dry.*

2 Technical specification

Description	
Model	Ibis XC / XA
Max. user weight	160 kg
Total length	1040 mm
Total width Ibis XC	625 mm
Total width Ibis XA	660-700-740 mm
Total weight	40 kg
Total weight of the heaviest part Ibis XC	26 kg
Total weight of the heaviest part Ibis XA	28 kg
Static stability downward	15°
Static stability upward	15°
Static stability sideways	15°
Seat tilt adjustment	30°
Seat angle	0 - 6°
Effective seat depth	440 - 520 mm
Effective seat width Ibis XC	380 - 555 mm
Effective seat width Ibis XA	380 - 555 mm
Seat height front	390 - 540 mm
Backrest angle	89 - 118°
Backrest height	520 - 570 mm
Lower leg length	390 - 500 mm
Armrest height	180 - 280 mm
Front armrest to backrest	370 - 450 mm
Minimum turning radius	810 mm
Ground clearance	70 mm
Push bracket height	830 - 1200 mm

Wheels	
Diameter front wheel	7"
Diameter rear wheels Ibis XC	12" / 16"
Diameter rear wheels Ibis XA	20" / 22" / 24"
Tyre pressure rear wheels	12": 2.5 bar 20" / 22" / 24": 7.5 bar

3 Software upgrade manual Power Support

3.1 Installing the update software

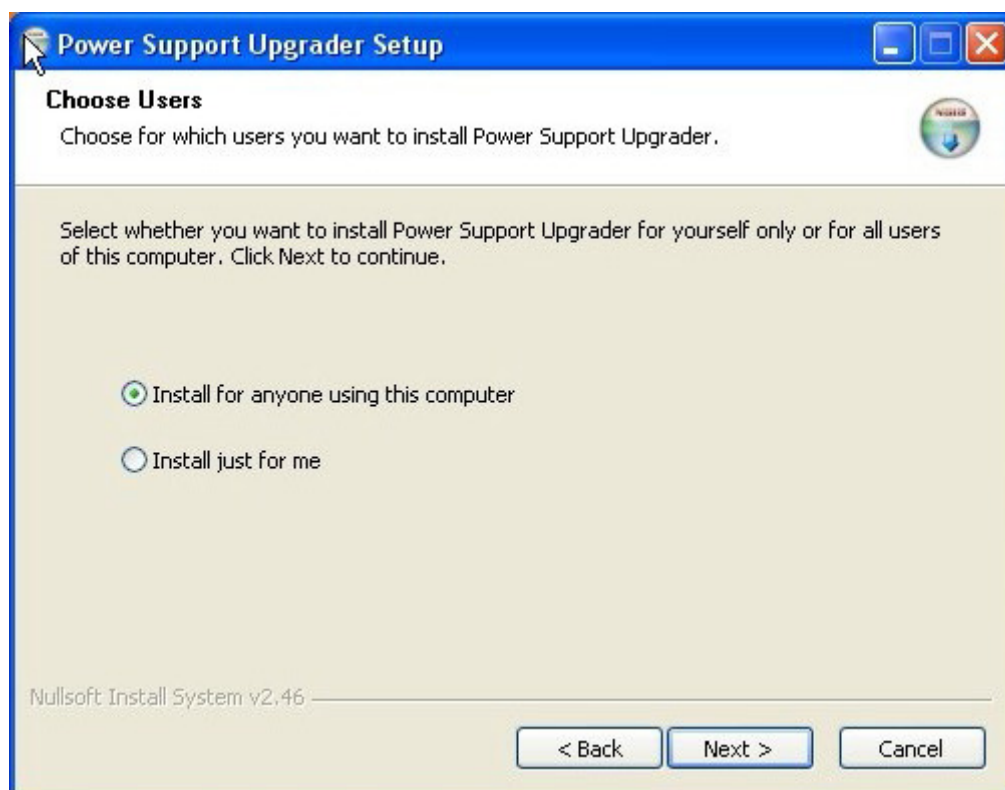
Start the “pssetup.exe” installation from the CD / USB stick.



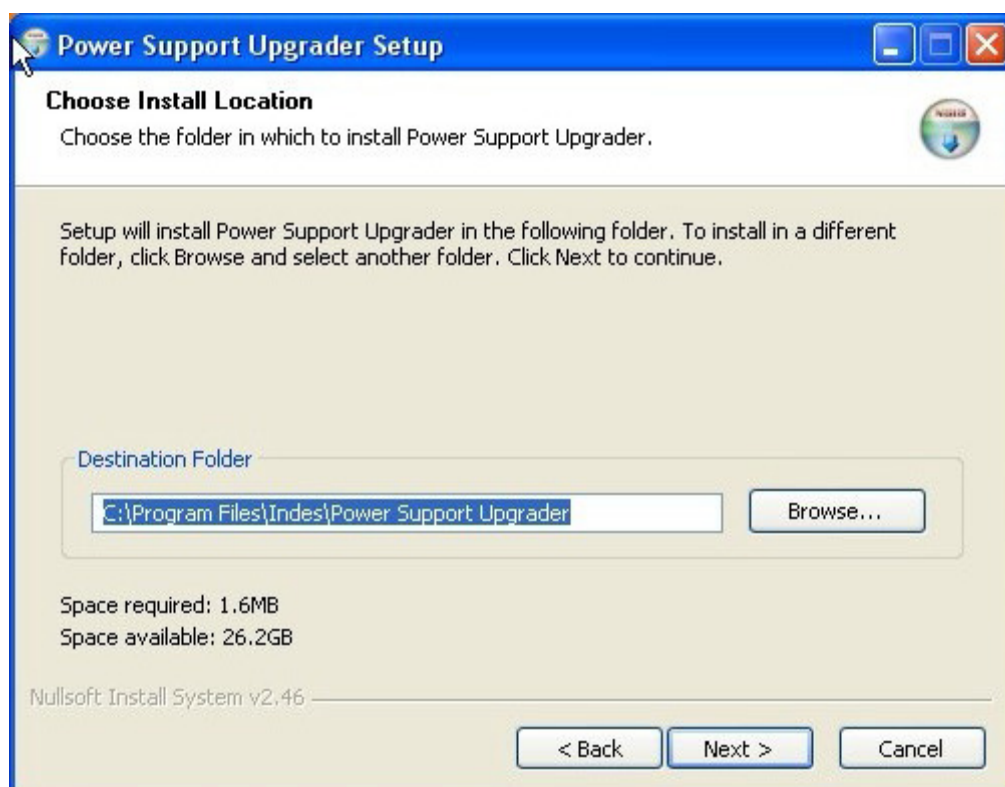
Choose English For an English Installation procedure and press “OK” .



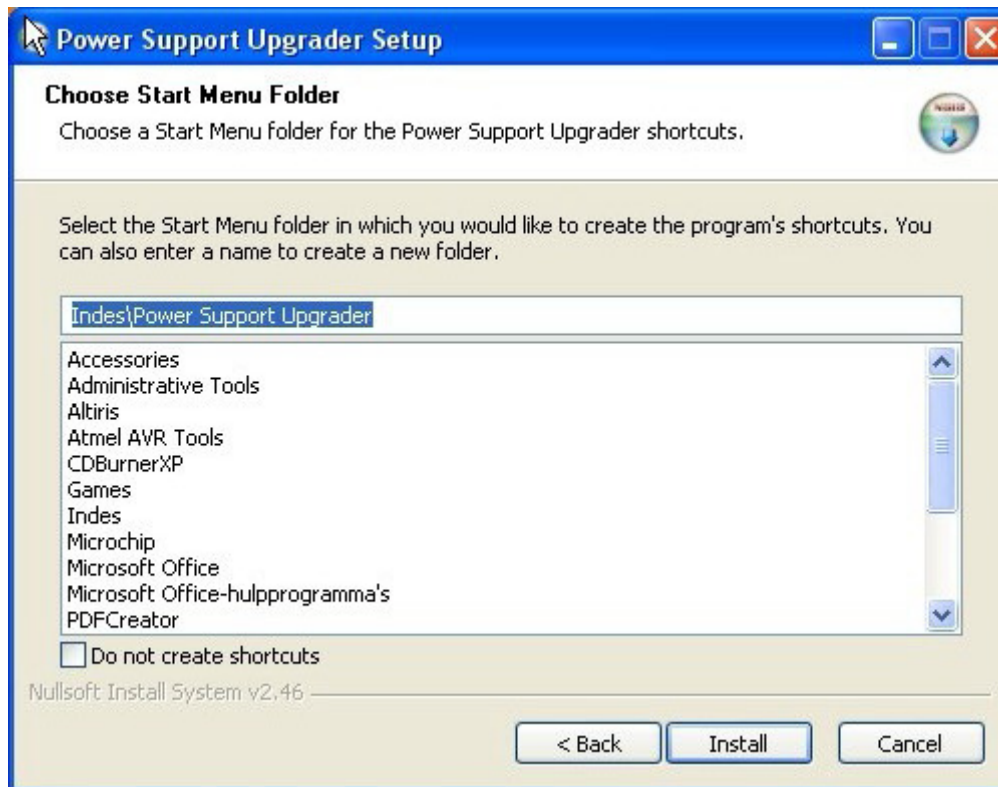
Press “Next >”.



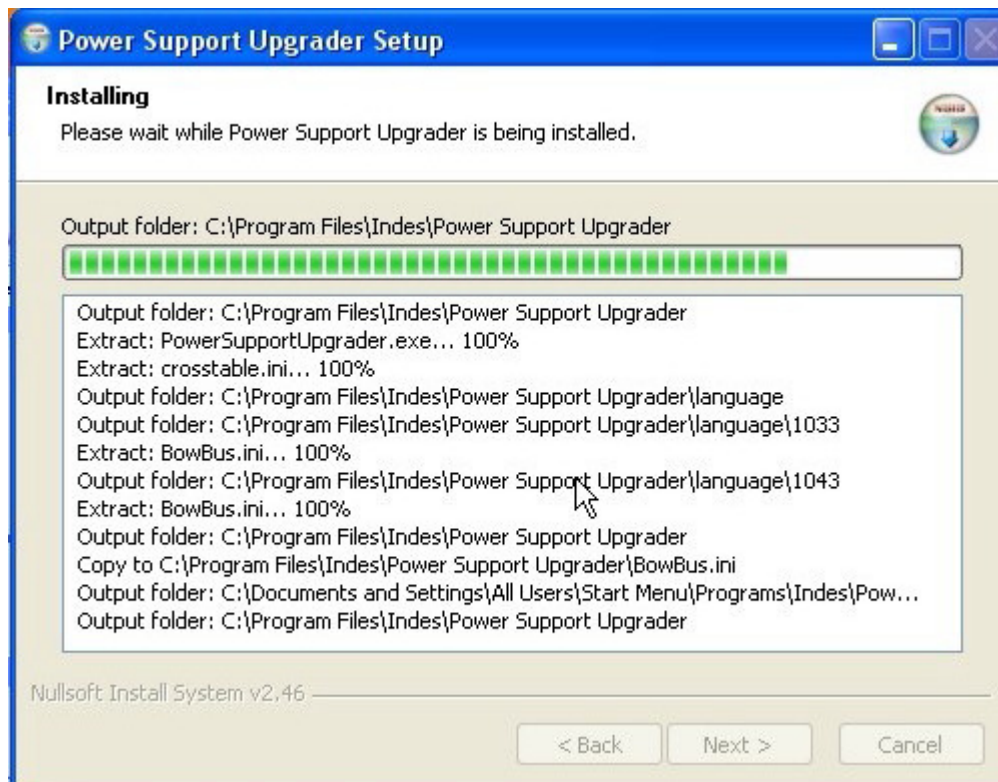
Select "Install for anyone using this computer" and press "Next >". When "Install just for me" is selected, only the current user will be able to use the software.



Select the destination folder for the software and press "Next >".



Choose a Start Menu folder , for placing the shortcuts, and press “Next >”.



Wait for the installation to finish and press “Next >”.



Check the box in front of “Start Power Support Upgrader” off and press “Finish”.

3.2 Upgrading

3.2.1 Why and when to upgrade

The upgrade of the power support should be carried out when one of the following parts are replaced

- Motor Left
- Motor Right
- Battery
- 5- leveled control unit .
- 7- leveled control unit replaced by a 5- leveled control unit .

The upgrade ensures that , after replacing any part , every level has the right amount of support. The upgrade also provides more conveniences for the user with a more evenly build up in power for each level and an improved maneuverability. Therefore it is easier to, for example, rotate in small areas.

3.2.2 Before upgrading

Before an upgrade is preformed, the following points should be checked!

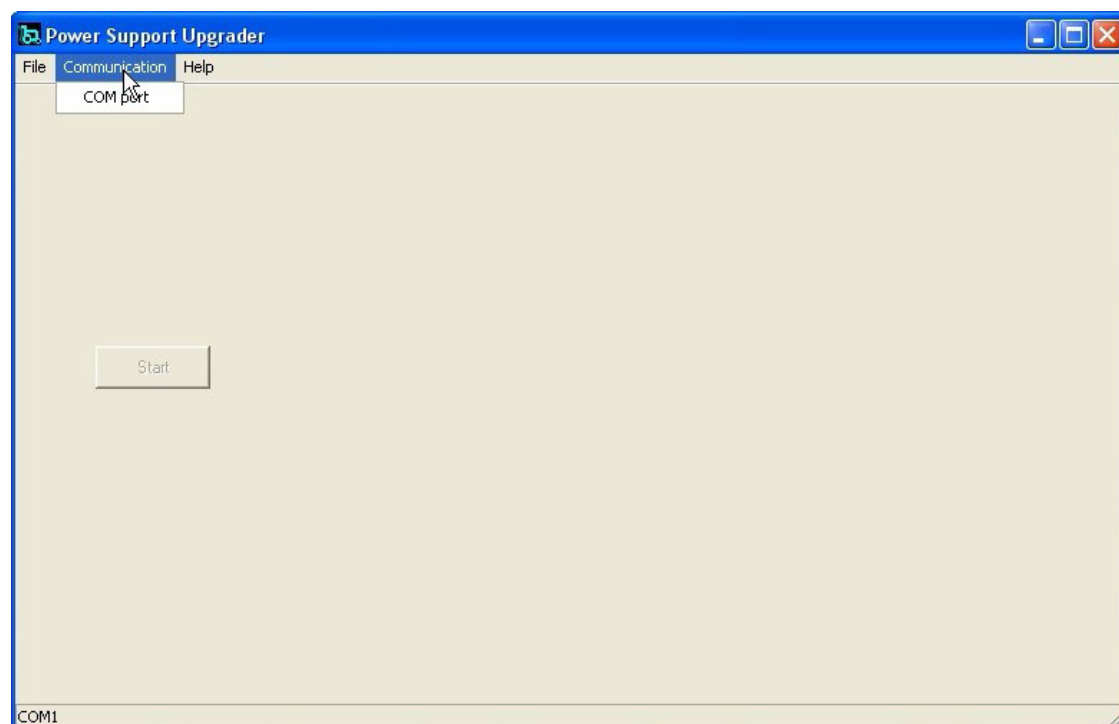
- Turn on the system and check if the Power Support functions as usual.
- Check if the cable between the wheels is connected
- When the pc/ laptop that is used for the upgrade does not have a COM-Port , a USB to COM-Port converter should be used. Make sure to install the drivers of this converter before upgrading the Power Support .
- Make sure the Power Support is not connected to the charger when per forming the upgrade.

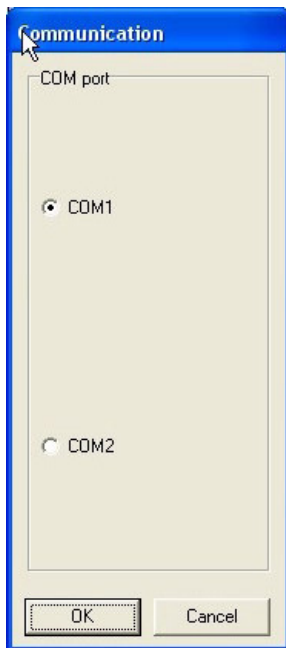
3.2.3 *Connecting the cables*

Connect the COM-cable to the Power support and to the laptop/pc.
Activate the Power Support by turning the switch in to one of the levels and pressing the lever .

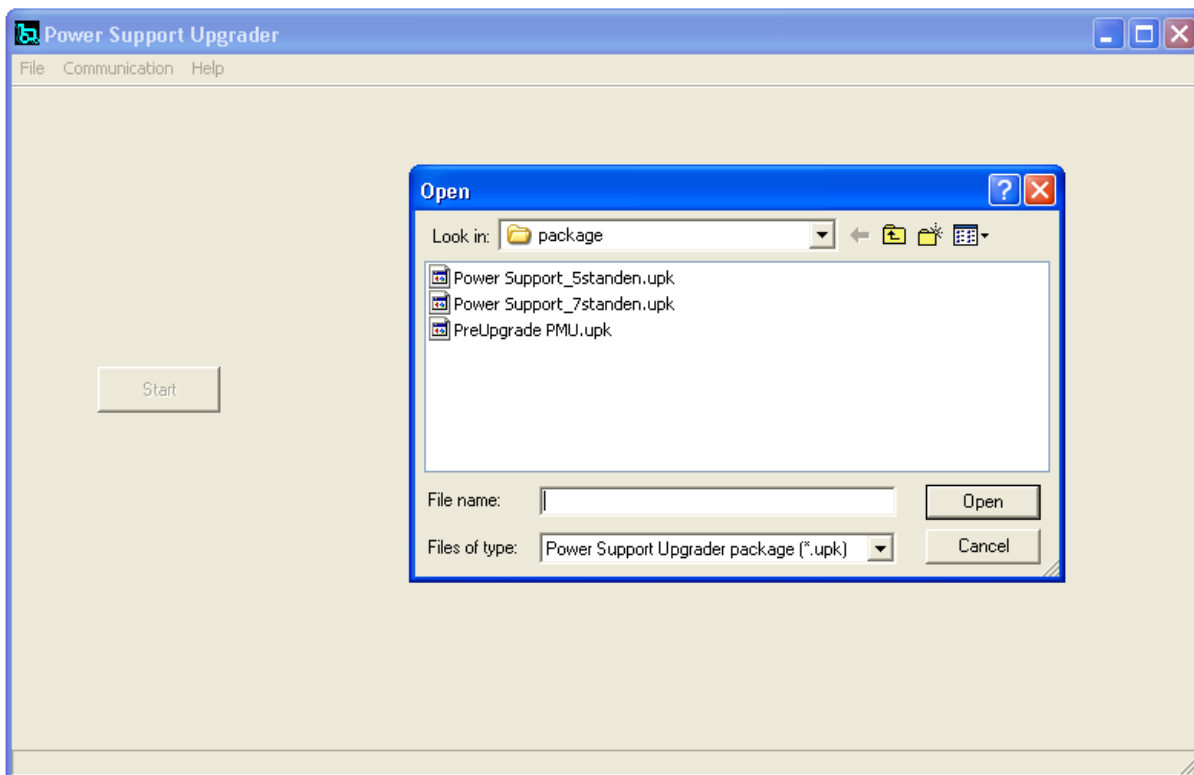
3.2.4 *Upgrading the Software*

Star t the “Power Support Upgrader” by selecting it in the “Start Menu”

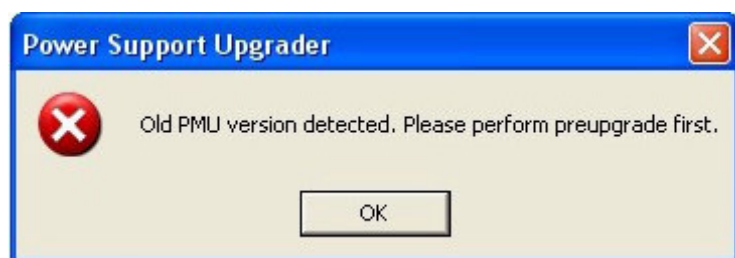




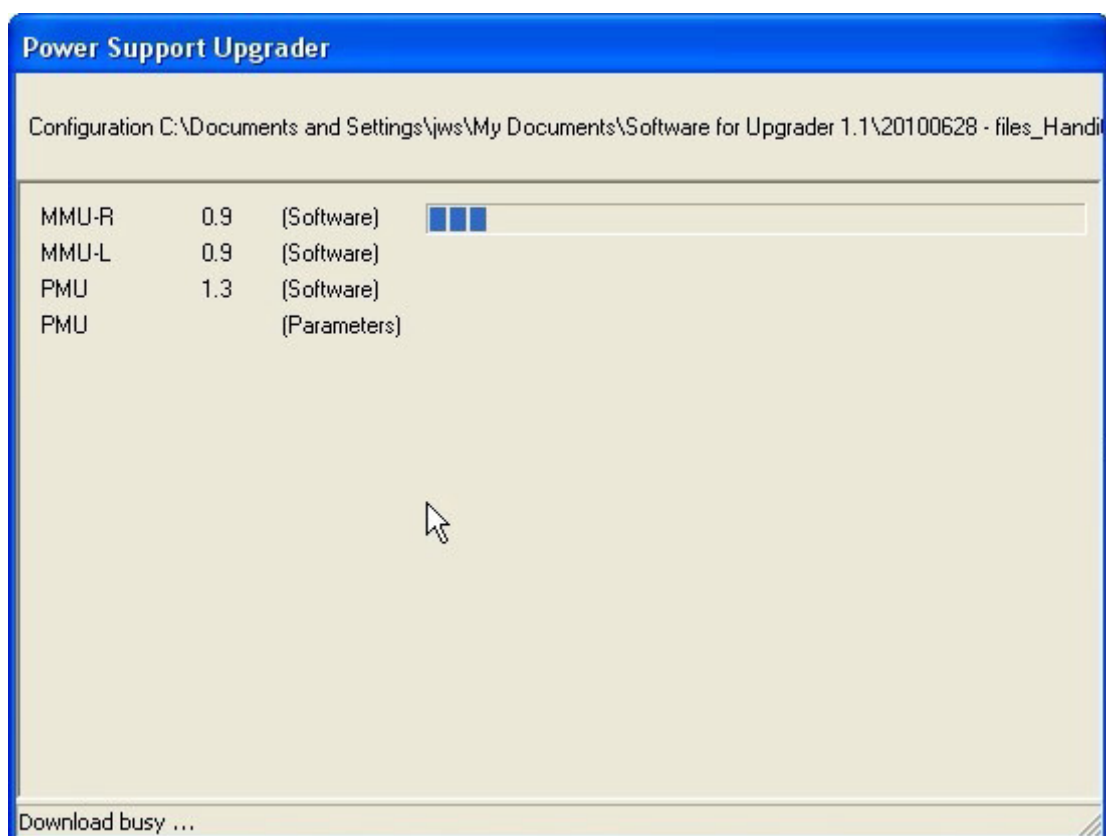
Now press on Communication and select the COM-Port that is used for the Power Support and press OK .



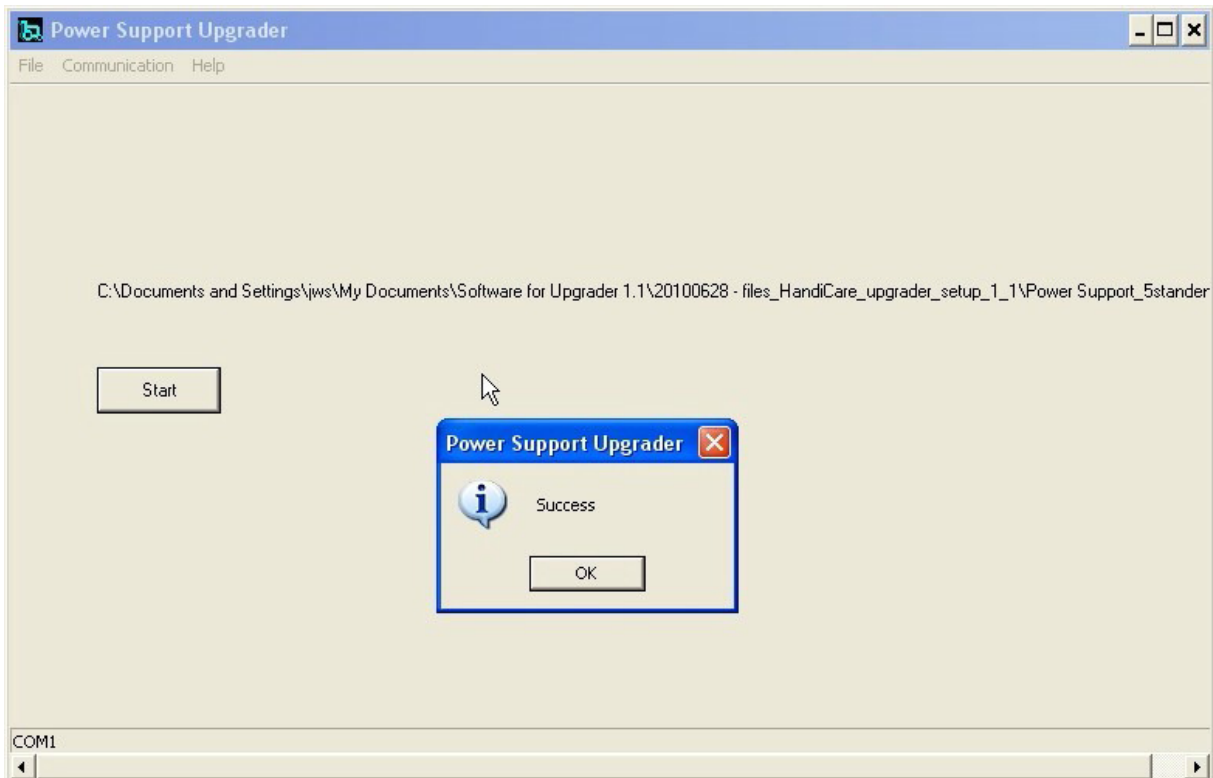
Now select "File" and press "Open". Now select the file you need for upgrading the Power Support , you can choose for a 5 or a 7- leveled version of the Power Support. These numbers correspond with the version of the Power Support you are upgrading. Select the correct version and press Open . The upgrade software no checks the version number of the Power Support .



When you get this error the version number of the Power Support is lower then 1.2.
When this is the case you should first perform the PreUpgrade, therefore you should
continue the upgrade from section 3.2.5.

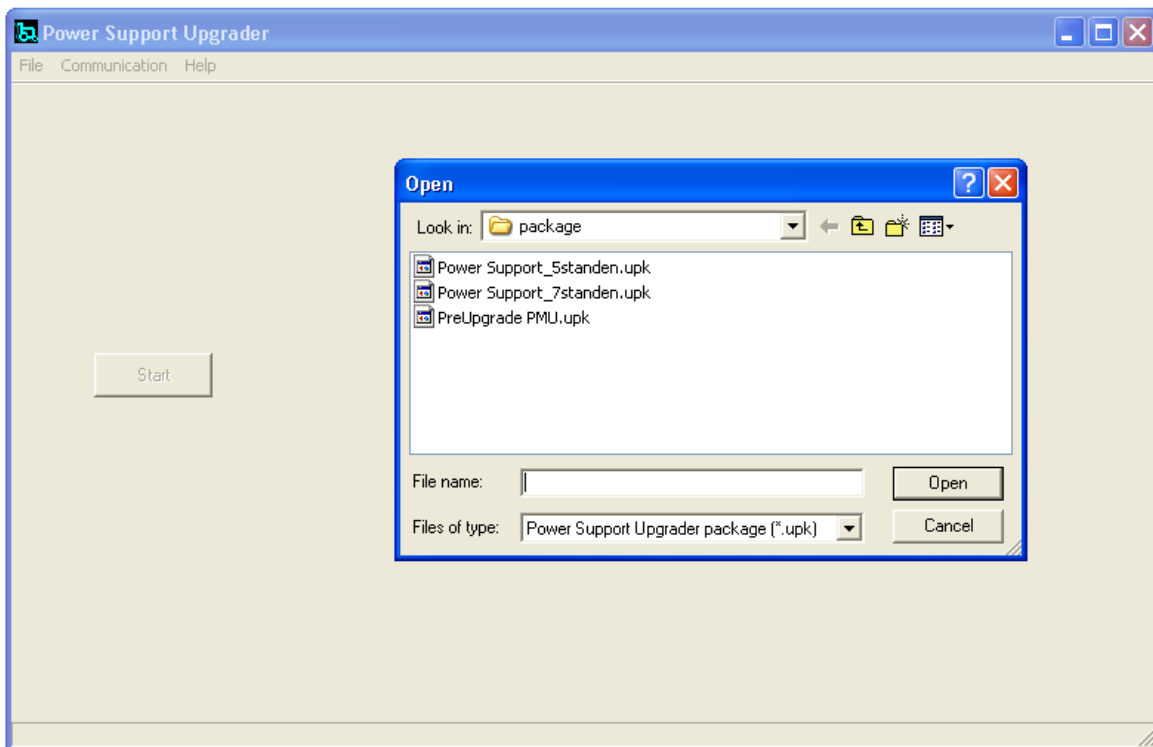


Press "Start" and wait for the upgrade to finish.

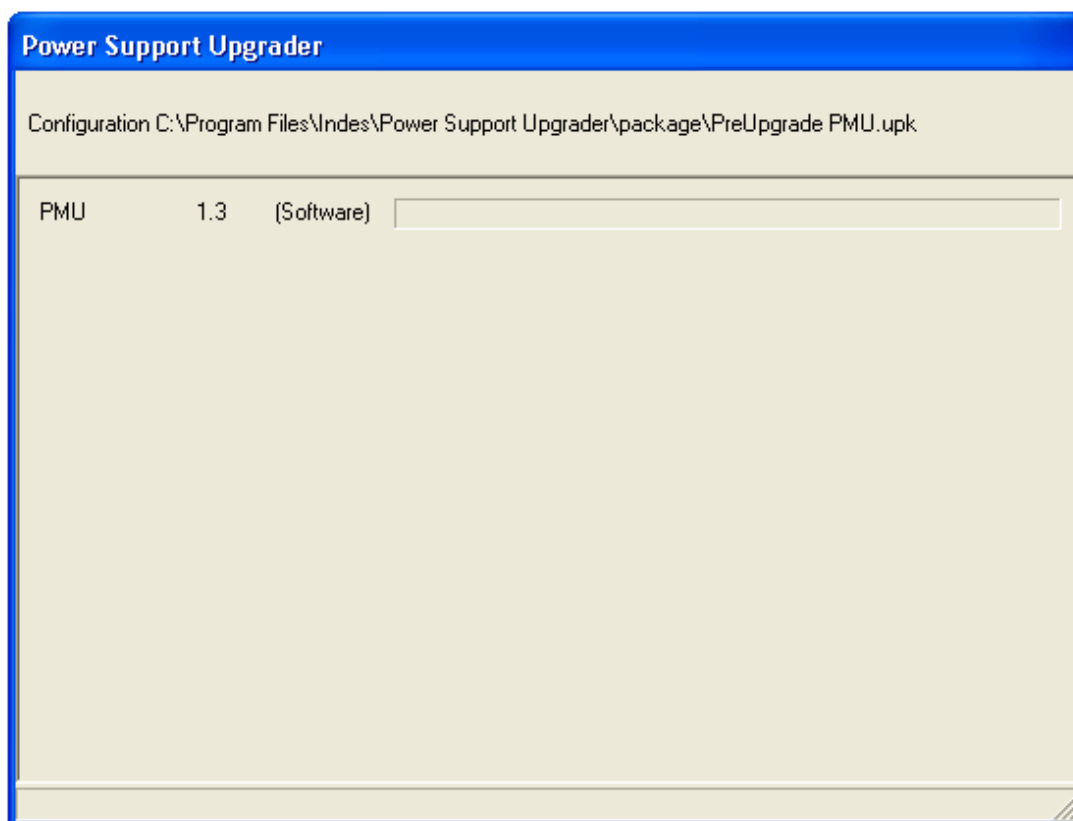


Press “OK” when the upgrade is completed to finish the upgrade.

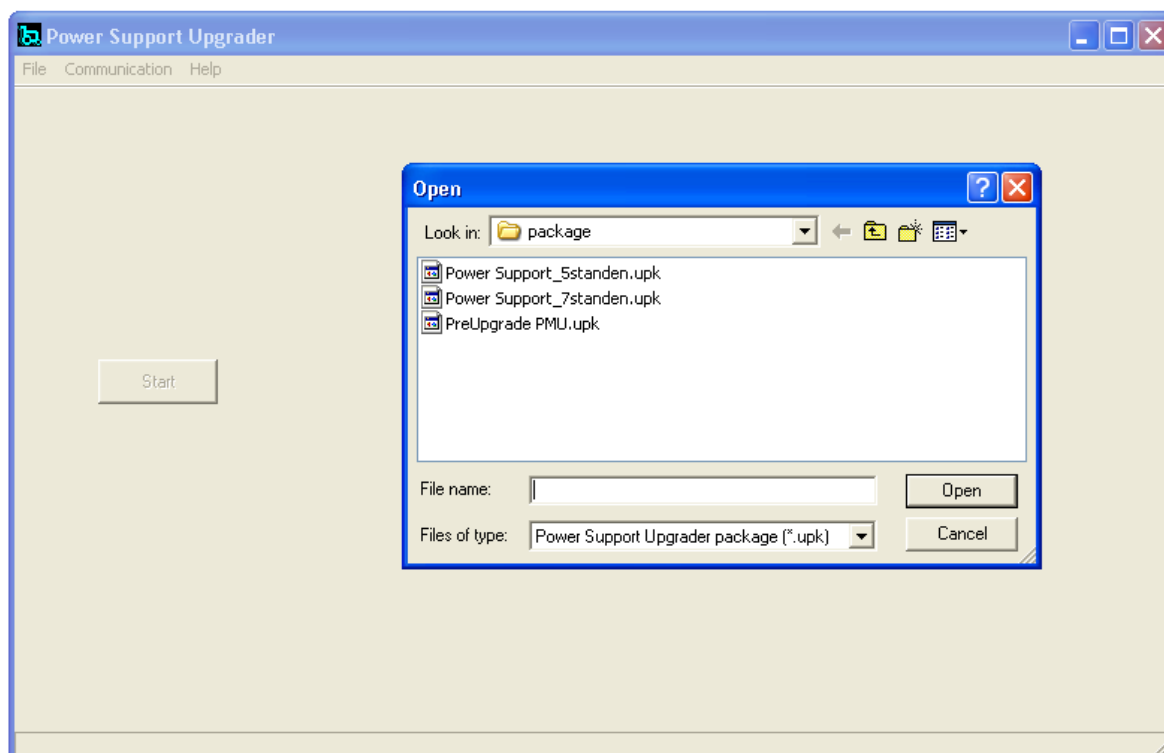
3.2.5 *Upgrading with PreUpgrade (Only for version number 1.1 and older)*



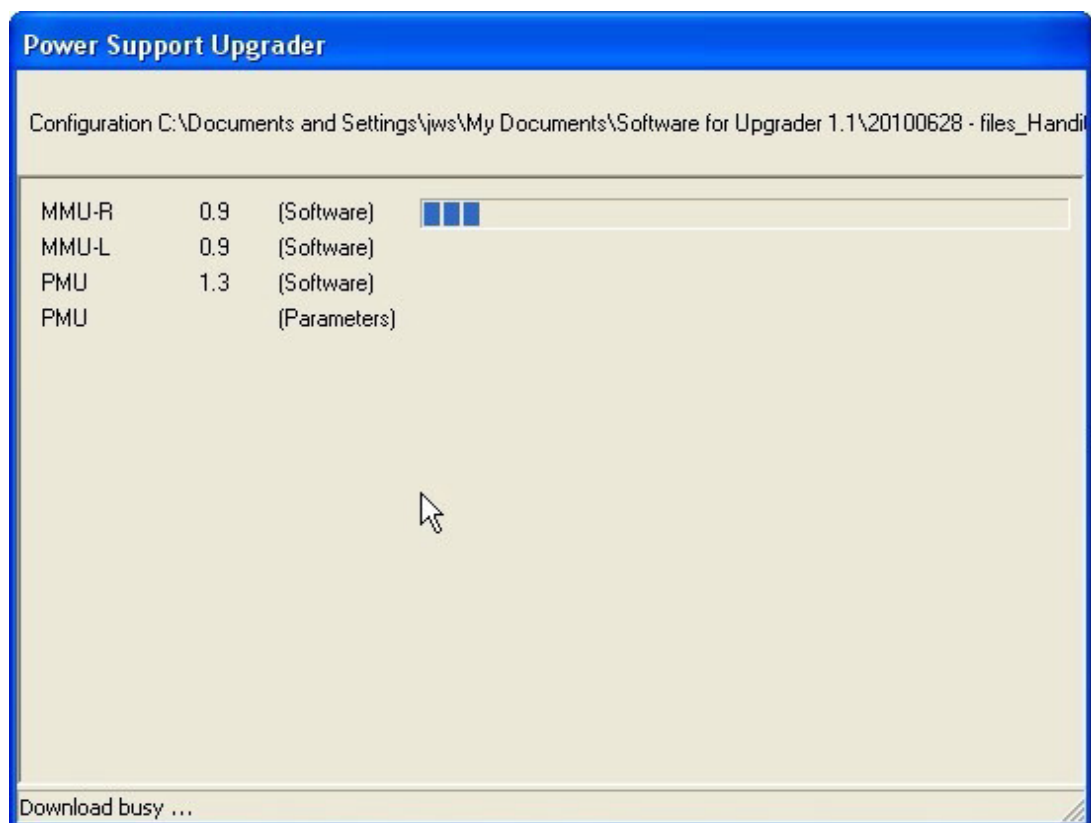
Select “File” and the press “Open”. Now select the “PreUpgrade PMU.upk” and press “Open”. You need this file for making the system ready for the actual upgrade.



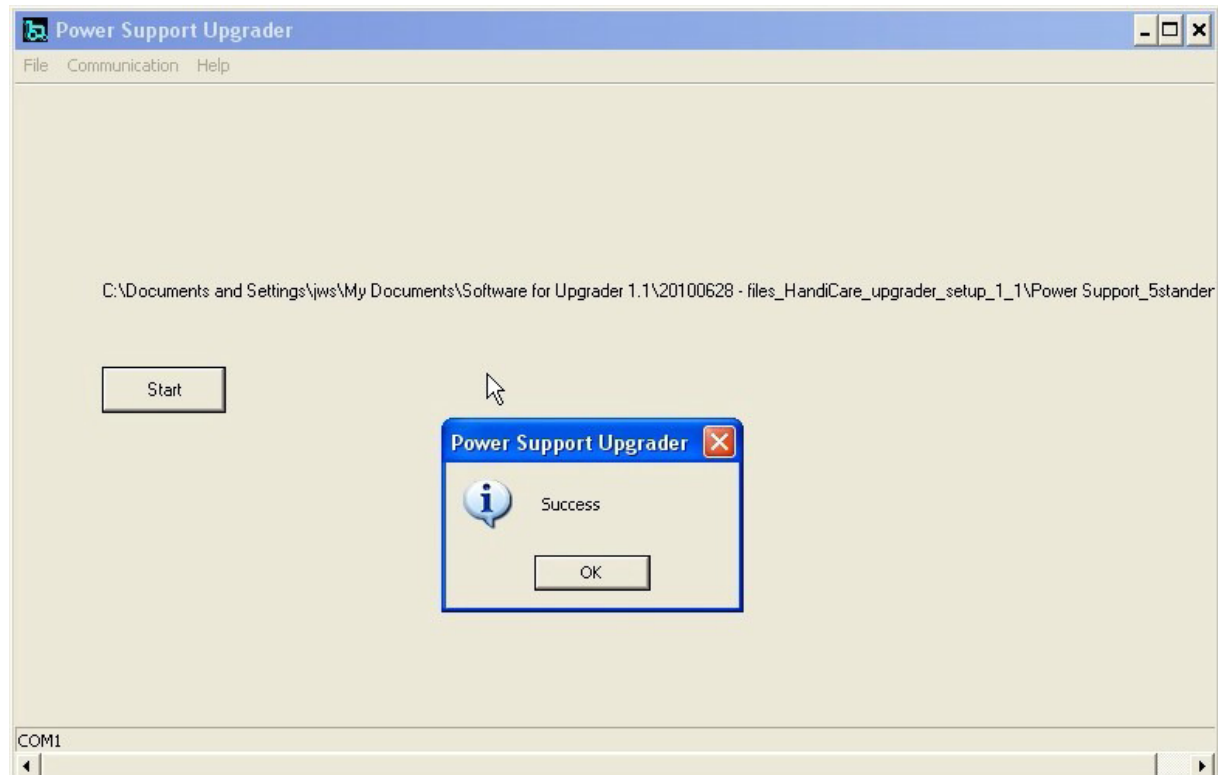
Press Start and wait for the PreUpgrade to finish.



Now select "File" and the press "Open". Now select the file you need for upgrading the Power Support, you can choose for a 5 or a 7- leveled version of the Power Support. These numbers correspond with the version of the Power Support you are upgrading. Select the correct version and press "Open".



Press Start and wait for the upgrade to finish.



Press "OK" when the upgrade is completed to finish the upgrade.

3.2.6 Checking the system

Disconnect the COM-Cable to the Power Support and check the following points

- Turn the system on and check if the system goes on.
- Does the system give support?
- Is there a distinctive difference between the different levels?

3.2.7 Troubleshooting

Has the check showed the system doesn't function as it should or the Upgrade gave an error? Then check the under mentioned table to find the error. After finding the error make sure to perform the upgrade again from chapter 3.2.

Error	Possible cause	Solution
During the upgrade I get a windows Error on my screen.	Cable from pc/ laptop is not connected properly.	Disconnect the cable completely and reconnect the cable. Afterwards, perform the upgrade again from chapter 3.2.
	The wrong COM-Port is selected	Press on Communication in the power support upgrade software and select the COM-Port that is used for the Power Support , Press OK . Afterwards, perform the upgrade again from chapter 3.2.
	The charger is connected to the system while upgrading.	Disconnect the Power Support cable to the Power Support . Afterwards, perform the upgrade again from chapter 3.2.
When checking the system only 1 of the wheels functions as it should	The cable between the wheels is not connected properly.	Disconnect the cable to the pc and the reconnect the cable between the wheels. Afterwards, perform the upgrade again from chapter 3.2.
Error : Old PMU version detected. Please perform Pre Upgrade first .	Software version on Power Support is older the 1.2	Perform upgrade with Pre Upgrade, See section 3.2.5

4 Use of the parts lists

This document is meant as a reference book to be used to order parts for the wheelchair that is shown on the front cover.

How to order:

When ordering parts, please specify:

- Serial number (see the identification plate)
- Group (to which the relevant part belongs)
- Article number
- Number of parts required
- Description (in the relevant language)
- Dimensions (if applicable)

Remark:

- If a part does not have a position number, it means that the part concerned cannot be purchased separately. The part concerned is part of the assembly shown. This assembly must be ordered as one piece. It has to be replaced in its entirety.
- Boxed position numbers refer to the relevant drawing.

Order address:

Please mail or fax your orders to your supplier.

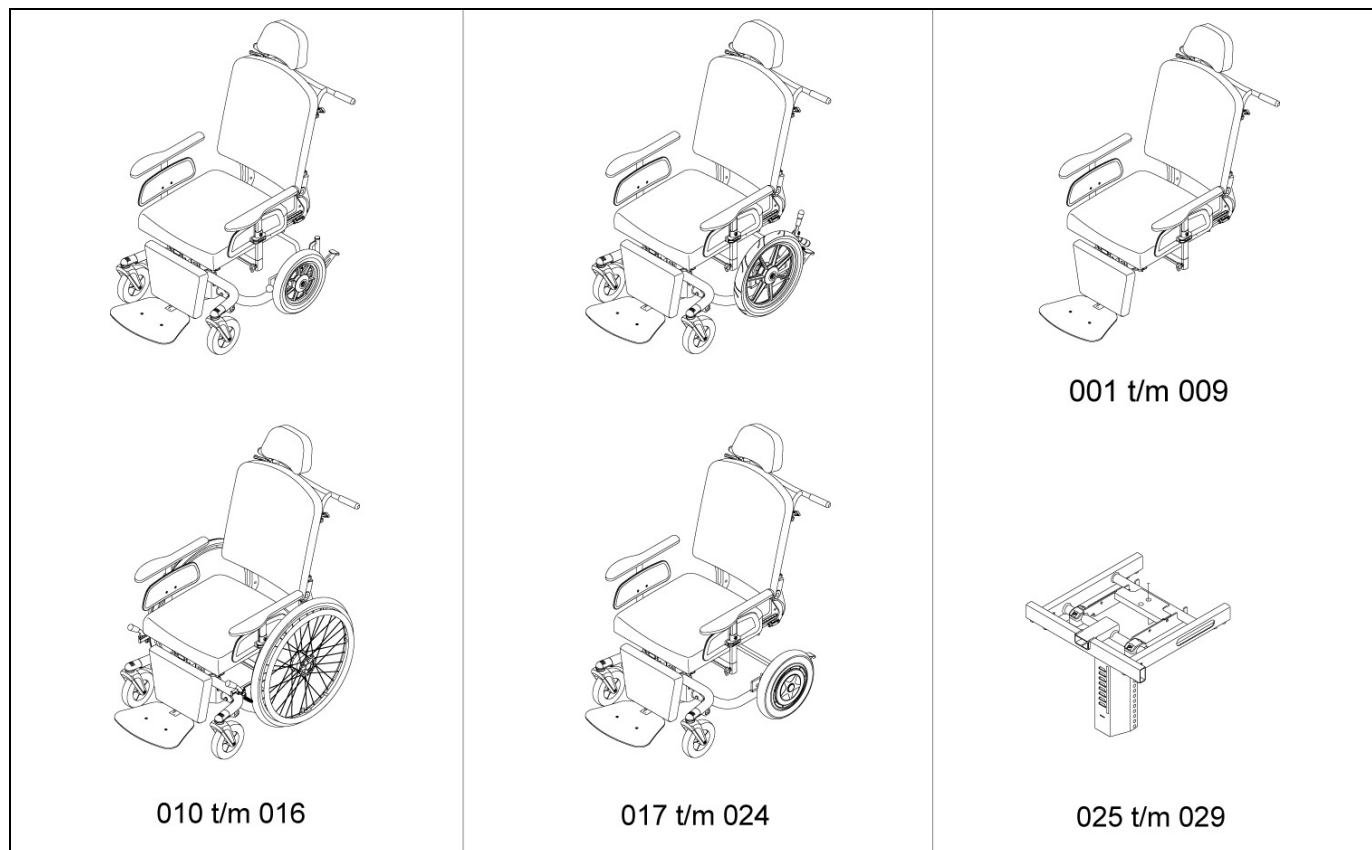
Service technicians:

Repairs may only be carried out by trained and authorised service technicians.

During the execution of their work they are at all times fully responsible for the fulfilment of locally applicable safety guidelines and standards.

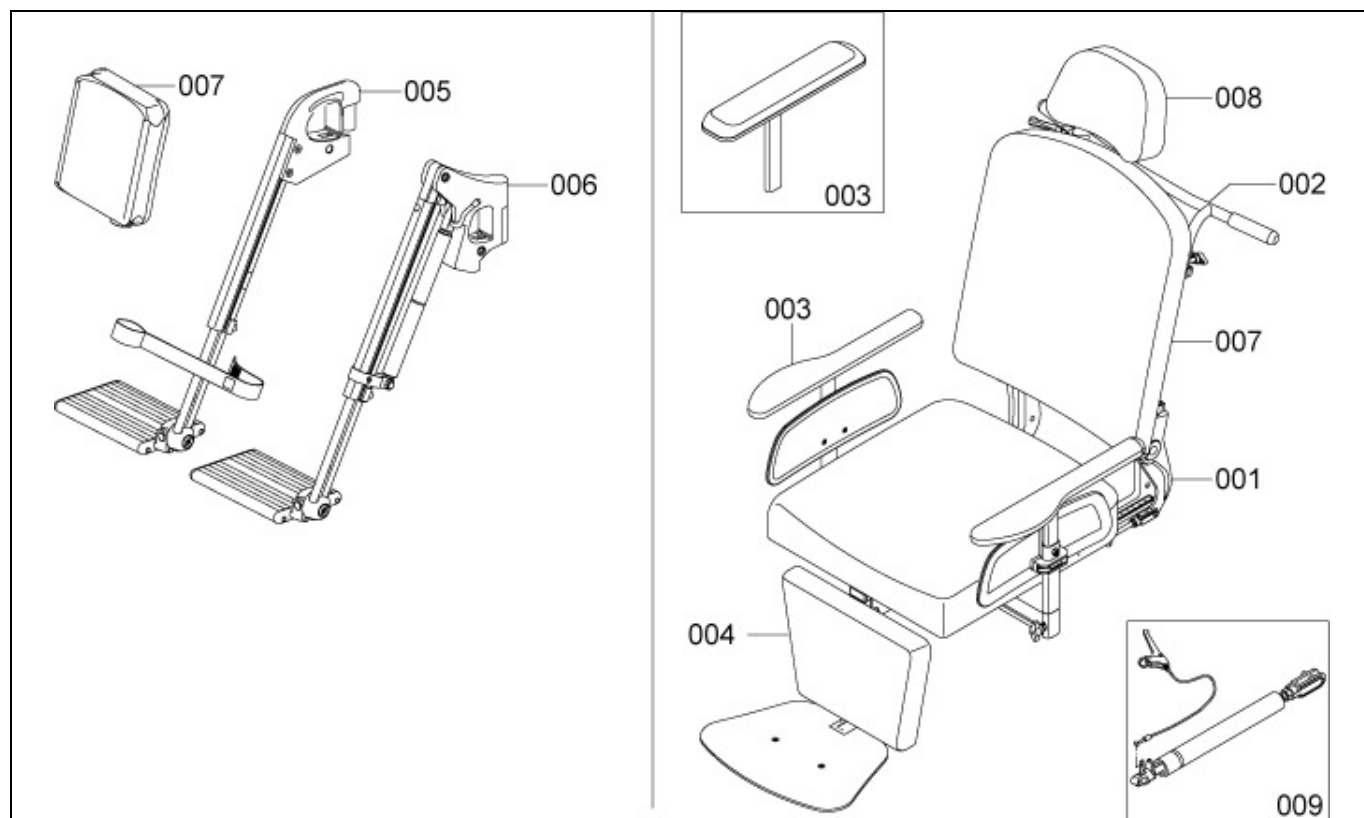
Temporary employees and persons in training may only carry out repair and replacement work under the supervision of an authorised service technician.

Overview



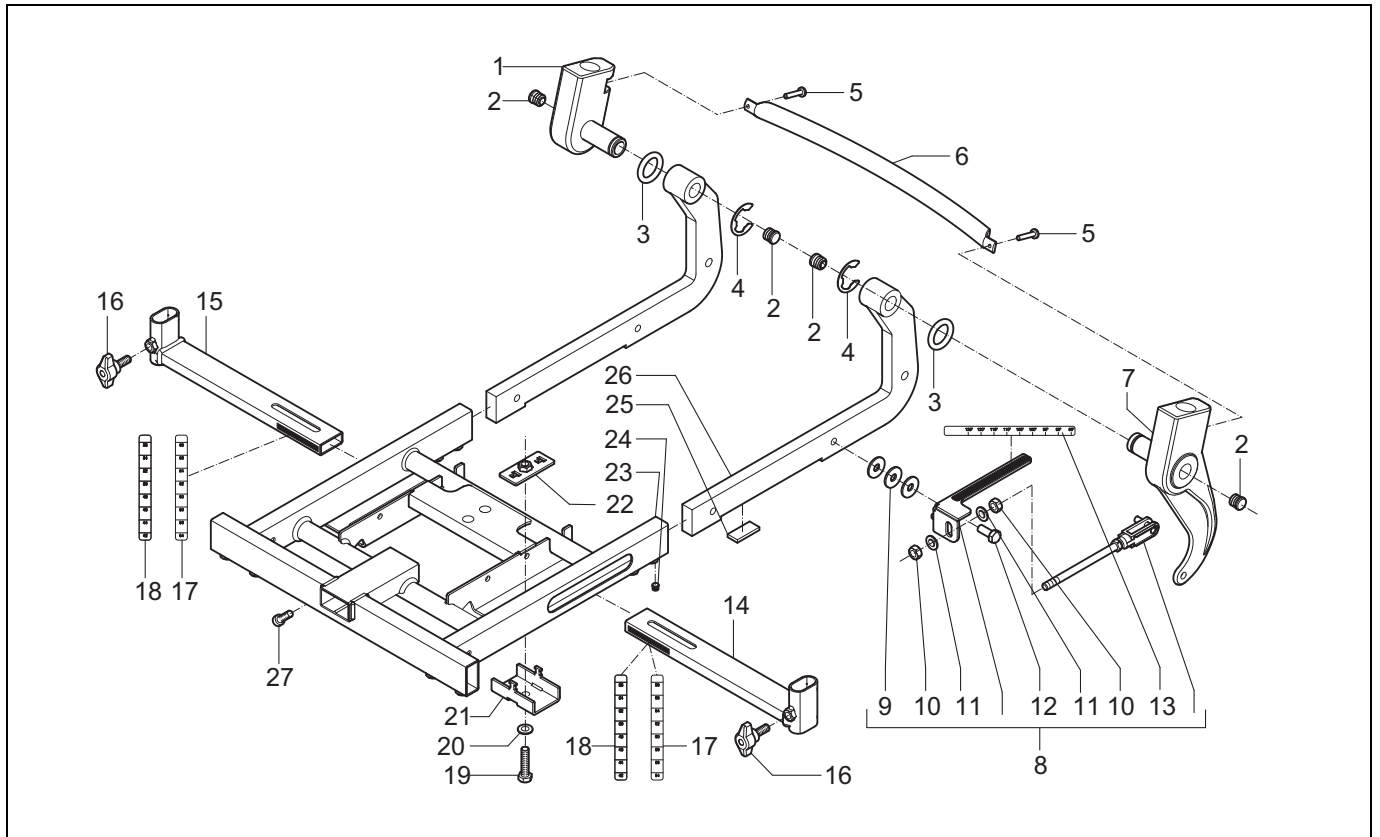
Drawing	Description	Page
001-009	Sedeo	29 – 41
010-016	Ibis XA/XC	42 – 49
017-024	Ibis XC 16" and Ibis XC Power Support	50 – 56
025-029	Options	57 – 62

4.1 SEDEO



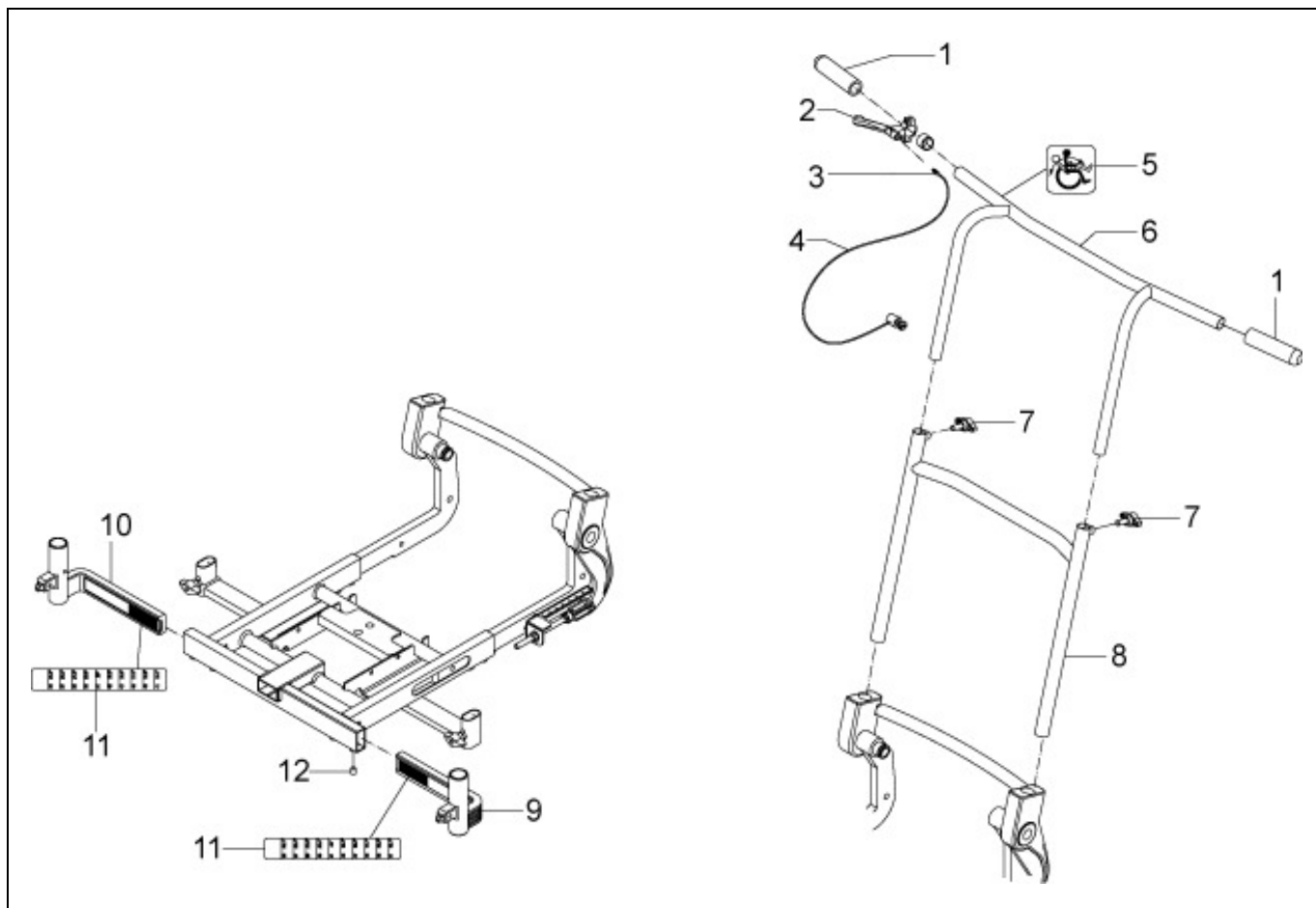
Drawing	Description	Page
001	Sedeo seating frame	30
002	Upper part	31
003	Armrest	32
004	Central legrest	33
005	Standard leg rest	34
006	Comfort mechanical leg rest	35
007	Seat / backrest / calf plate	37
008	Head rest	40
009	Gas spring backrest adjustment	41

001: Sedeo seating frame



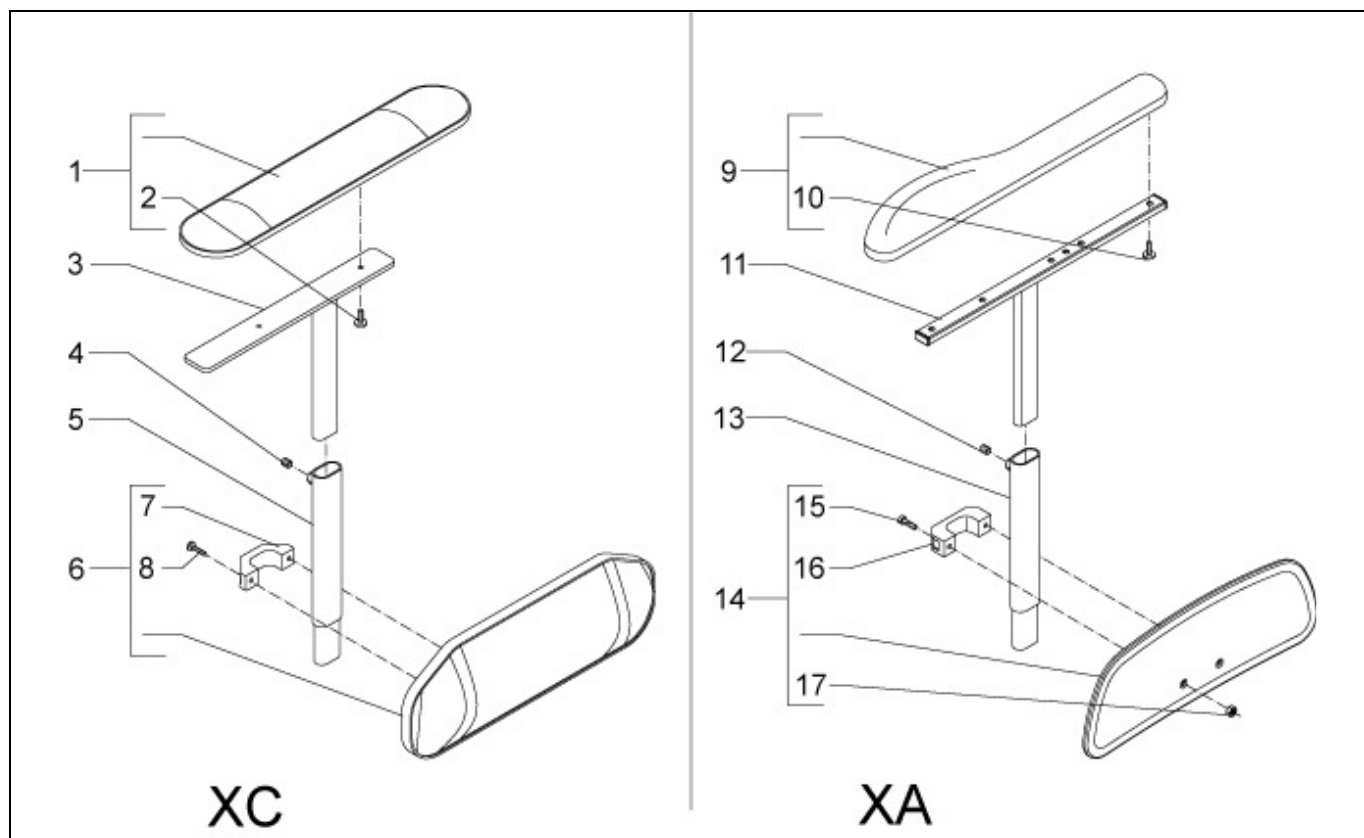
Pos	Article number	Units	Description	
1	02030.4123	1	Back part 2 Sedeo short back arm	
2	00000.9009	4	Insert cap round 15 black	
3	00001.0204	2	Washer	
4	00000.1401	2	Shaft lock washer 15mm	
5	00000.3728	2	Button head M8X12	
6	02030.3423	1	Back tube	
7	02030.4223	1	Back part 2 Sedeo long back arm	
8	1008035	1	Backrest adjustment assy	
9	00000.2103	3	Washer flat 3XD M8	
10	00000.1502	2	Hex Nut M8	
11	00000.2003	2	Washer flat M8	
12	00000.4135	1	Hex. Bolt M8x25	
13	1003247	1	Label back rest angle (sticker sheet)	
14	9002132	1	Armrest holder left > 10-02-2008	
	9001182	1	Ext. armrest holder left < 10-02-2008	
	9002134	1	Ext. armrest holder left > 10-02-2008	
15	9002133	1	Arm holder right > 10-02-2008	
	9001181	1	Ext. armrest holder right < 10-02-2008	
	9002135	1	Ext. armrest holder right > 10-02-2008	
16	00000.6801	2	Wing bolt M8X20; L=40	
17	1003247	2	Label width adj. arm rest (standard) (sticker sheet)	
18	1003247	2	Label width adj. arm rest (wide) (sticker sheet)	
19	00000.4113	2	Hex bolt M8X35	
20	00000.2103	2	Washer flat 3XD M8	
21	9001142	2	Armrest clamp plate	
22	9001145	2	Nut plate weld assy	
23	9000951	1	Sedeo seating frame	
24	00000.3519	4	Adjusting screw M8X10	
25	9000673	2	Clamping plate, Sedeo	
26	02030.4023	2	Back part 1 Sedeo	
27	00000.4002	1	Socket screw M8X16	

002: Upper part



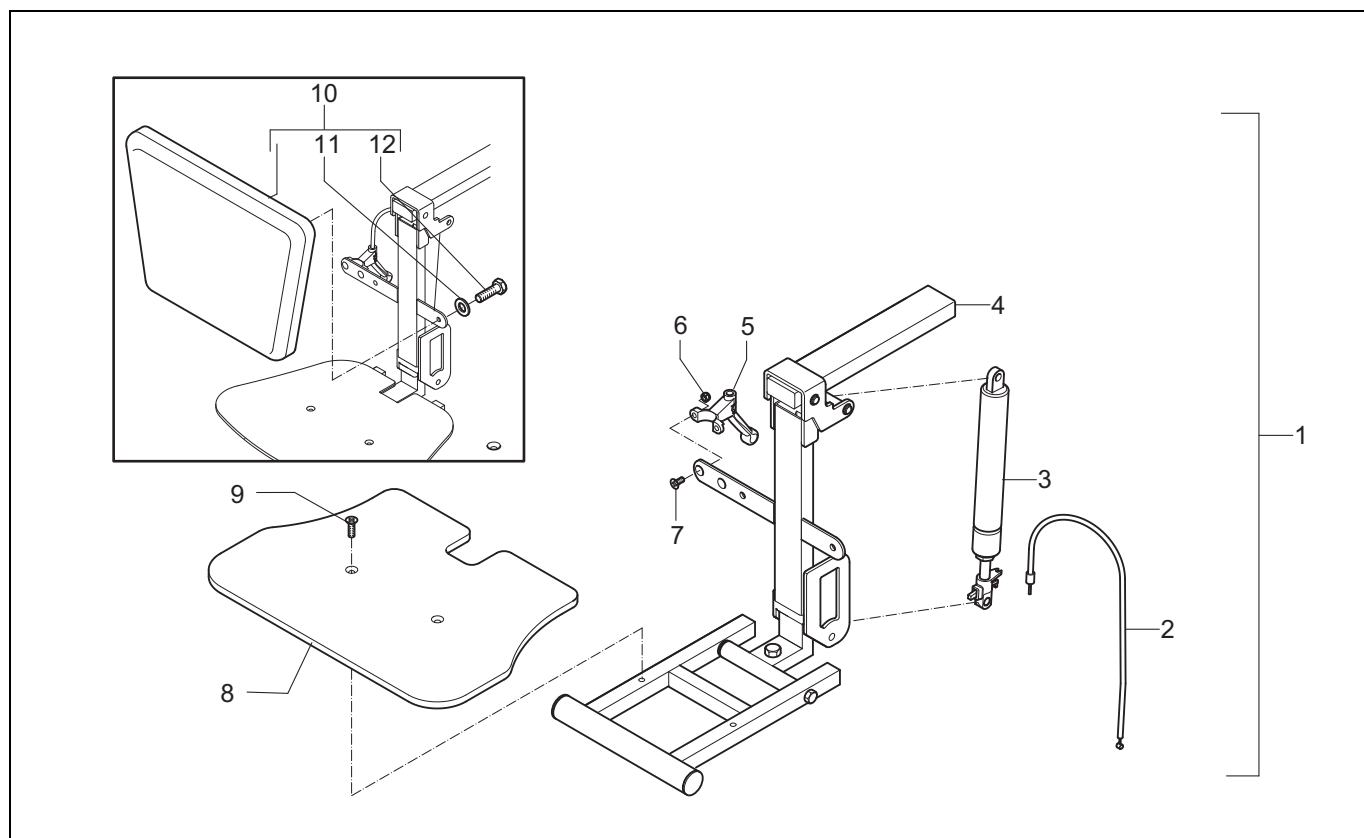
Pos	Article number	Units	Description	
1	00000.4801	2	Handle black	
2	1007008	1	Handle mech.seat adj.	
3,4	1008057	1	Mechanical cable	
5	00001.1400	1	Label tilt adjustment	
6	02030.0111	1	Handlebars	
7	00000.6801	2	Wing bolt M8X20; L=40	
8	1001834	1	Back frame	
9	9001155	1	Leg rest holder left	
10	9001156	1	Leg rest holder right	
11	1003247	2	Label leg rest width (sticker sheet)	
12	00000.3501	4	Adjusting screw M8X10	

003: Armrest



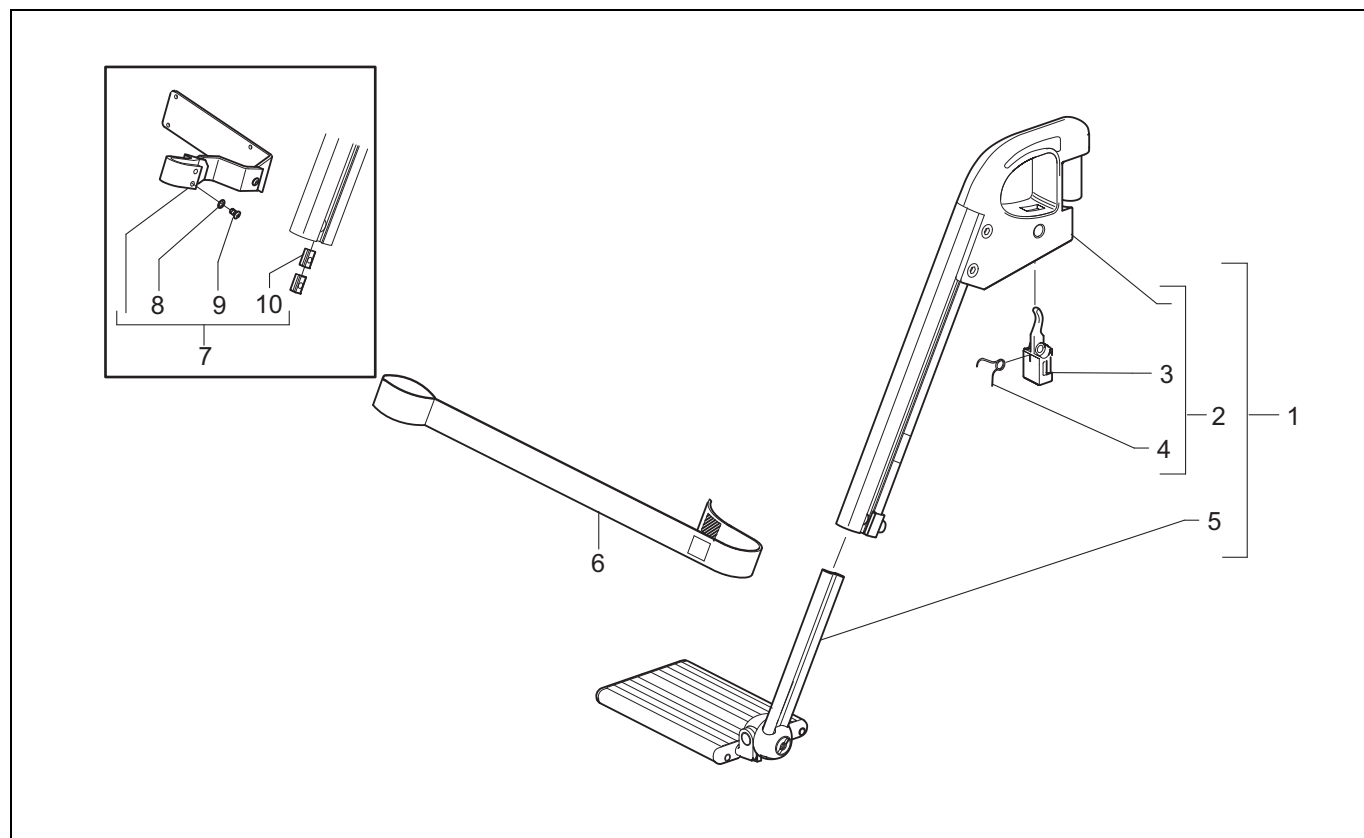
Pos	Article number	Units	Description	
1	221.00111.505	2	Armrest 40 cm	
	221.00131.505	2	Armrest 30 cm	
2	00000.3206	4	Screw M5X16	
3	02040.0311	2	Upper part long	
	02040.0111	2	Upper part short	
4	00000.3541	2	Adjusting screw M8X10	
5	9002127	2	Centre piece	
	9002129	2	Centre piece extended 10cm	
6	224.00241.505	2	Side cushion	
7	02040.0782	2	Bracket	
8	00000.3207	4	Screw M5X20	
9	1008038	1	PU armrest soft, left, XA	
	1008037	1	PU armrest soft, right, XA	
10	1003060	4	Thread cutting screw M5x16	
11	9000956	2	Armrest holder	
12	00000.3541	2	Adjusting screw M8X10	
13	9002127	2	Centre piece	
14	1008039	2	Side plate standard, Ibis XA	
15	00000.3206	4	ScrewM5X16	
16	02040.0782	2	Bracket	
17	00000.1700	4	Locknut M5	
-	02043.9111	1	Angle adjustable armrest for 40cm armrest, right	
-	02043.9211	1	Angle adjustable armrest for 40cm armrest, left	
-	02043.9011	1	Angle adjustable armrests for 40cm arm rests, set	
-	233.00011.000	1	Angle adjustable armrest for 30cm armrest, right	
-	233.00111.000	1	Angle adjustable armrest for 30cm armrest, left	
-	221.00321.011	1	Angle adjustable armrests for 30cm armrest set	
-	05364.9123	1	Armrest, foldable, right, for seat width 42-46	
-	05364.9223	1	Armrest, foldable, left, for seat width 42-46	
-	1010809	1	Armrest, foldable, right, for seat width 50	
-	1010810	1	Armrest, foldable, left, for seat width 50	
-	1010811	1	Armrest, foldable, right, for seat width 54	
-	1010812	1	Armrest, foldable, left, for seat width 54	

004: Central legrest



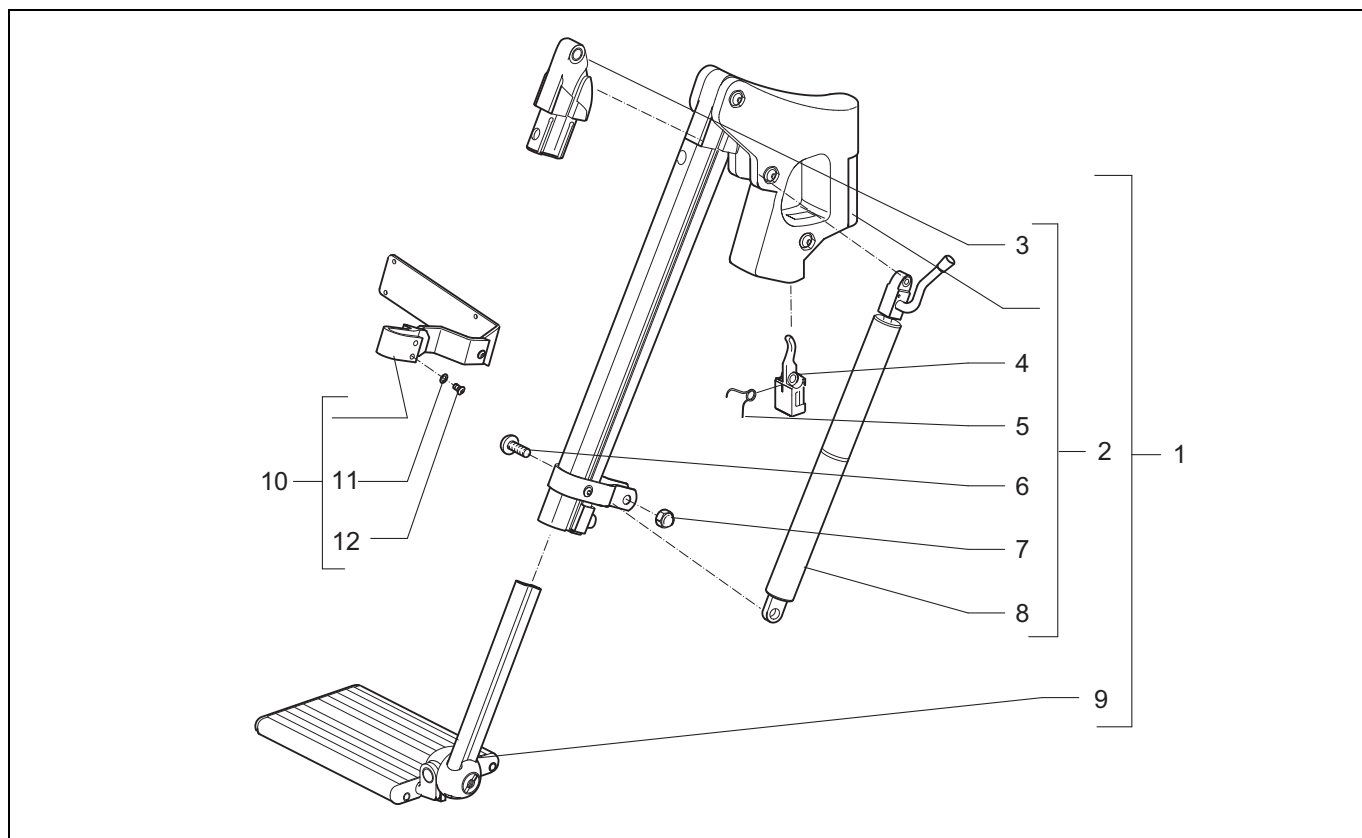
Pos	Article number	Units	Description	
1	1001087	1	Central legrest	
2	9001218	1	Cable	
3	1002808	1	Gas spring bloc-o-lift 400N+unlock+nut	
4	1001086	1	Metalparts central legrest	
5	00000.6410	1	Handle	
6	00000.1700	2	Lock nut M5	
7	00000.3616	2	Screw M5x12	
8	01050.2480	1	Footplate	
9	00000.3614	2	Screw M6x20	
10	220.00201.505	1	Calf pad trapezium	
11	00000.2002	2	Washer flat M6 D125A/VZ	
12	00000.4016	2	Cyl cap screw M6x25	

005: Standard legrest



Pos	Article number	Units	Description	
1	-	1	Standard leg rest left See page 36.	
	-	1	Standard leg rest right See page 36.	
2	1002515	1	Standard leg rest upper part left	
	1002514	1	Standard leg rest upper part right	
3	01500.1112	2	Legrest release lever	
4	01500.2212	2	Legrest release spring	
5	-	1	Footplate left See page 36.	
	-	1	Footplate right See page 36.	
6	01263.9000	1	Calf strap	
7	1004189	2	Calf plate hinge standard	
	1004188	2	Calf plate hinge small	
8	00000.2601	4	Toothed spring washer M6	
9	00000.3725	4	Button head M6X10	
10	01500.2110	4	Leg rest clamping strip short	
-	01503.8000	1	Standard leg rest top complete right	
-	01503.8100	1	Standard leg rest top complete left	

006: Comfort mechanical legrest



Pos	Article number	Units	Description	
1	-	1	Comfort leg rest left See page 36.	
	-	1	Comfort leg rest right See page 36.	
2	1002517	1	Comfort leg rest upper part left	
	1002516	1	Comfort leg rest upper part right	
3	1008580	2	Hinge comfort leg rest	
4	01500.1112	2	Legrest release lever	
5	01500.2212	2	Legrest release spring	
6	00000.3706	2	Button head M8X25	
7	00000.1802	2	Cap lock nut M8	
8	1008076	1	Gas spring with gas spring control left	
	1008077	1	Gas spring with gas spring control right	
-	1009968	2	Gasspring 200N	
9	-	1	Footplate left See page 36.	
	-	1	Footplate right See page 36.	
10	1004189	2	Calf plate hinge standard	
	1004188	2	Calf plate hinge small	
11	00000.2601	4	Toothed spring washer M6	
12	00000.3725	4	Button head M6X10	
-	01503.8200	1	Comfort leg rest top complete right	
-	01503.8300	1	Comfort leg rest top complete left	

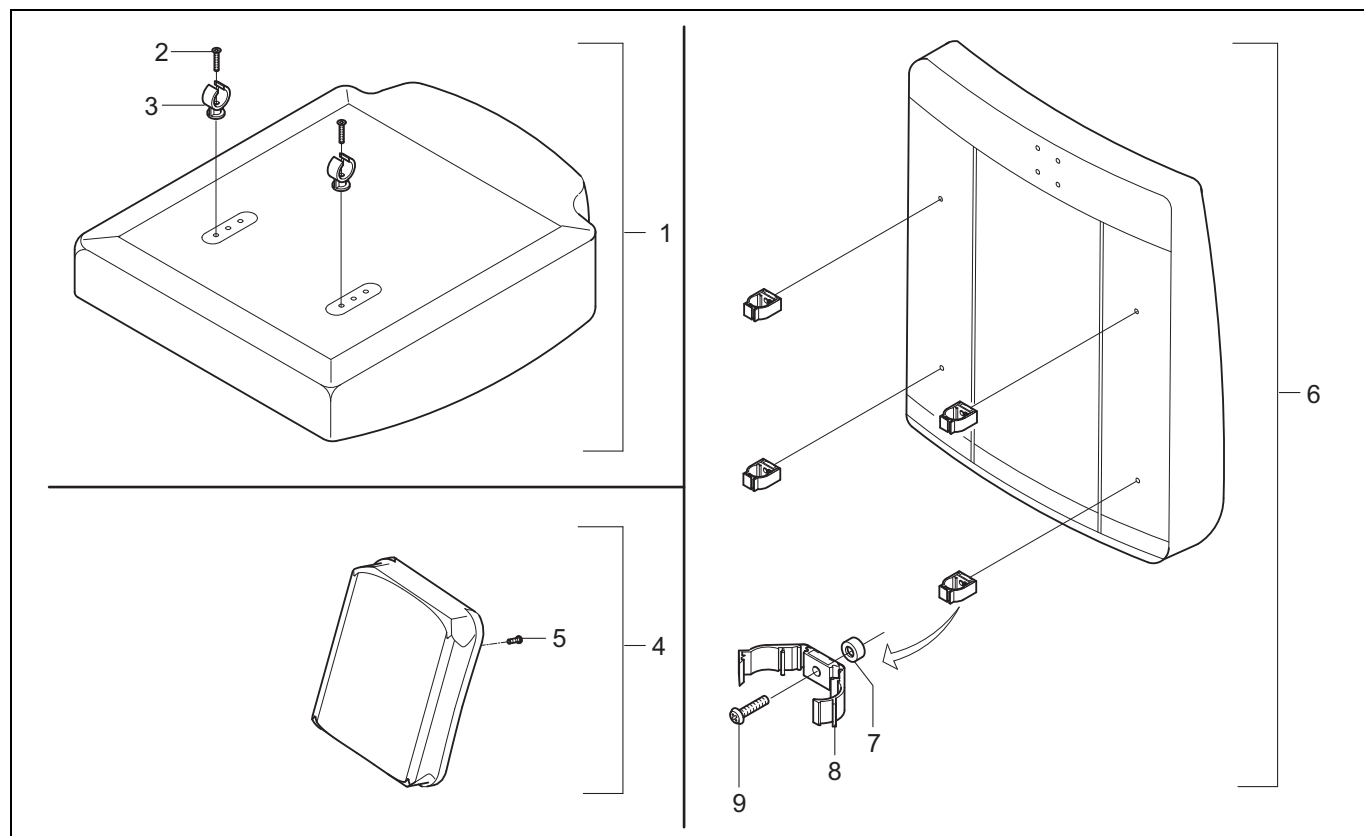
SEDEO LEGRESTS AND FOOTPLATES

SPARE PARTS

LEGRESTS									
TYPE	SIZE	RIGHT		LEFT		CALF PLATE AND LEGRESTBRACKET, SET		CALFSTRAP AND LEGRESTBRACKET, SET	
STANDARD	13	1003561		1003560		1003592		1003579	
	15	1003563		1003562		1003593		1003580	
	17	01500.9019		01500.9119		140.00071.000		140.00011.000	
	19	1003565		1003564		1003594		1003581	
	21	1003567		1003566		1003595		1003582	
	23	1003569		1003568		1003596		1003583	
	25	1003571		1003570		1003597		1003584	
COMFORT	13	140.00341.000		140.00311.000		1003607			
	15	140.00351.000		140.00321.000		1003608			
	17	01500.9219		01500.9319		140.00021.000			
	19	140.00361.000		140.00331.000		1003609			
	21	1003601		1003598		1003610			
	23	1003602		1003599		1003611			
	25	1003603		1003600		1003612			
ELECTRICAL	13	140.00461.000		140.00451.000		140.00471.000			
	15	1003618		1003613		1003623			
	17	01502.9013		01502.9113		140.00031.000			
	19	1003619		1003614		1003624			
	21	1003620		1003615		1003625			
	23	1003621		1003616		1003626			
	25	1003622		1003617		1003627			

FOOTPLATES				
SIZE	RIGHT		LEFT	
13	140.00161.000		140.00191.000	
15	140.00171.000		140.00201.000	
17	140.00121.000		140.00131.000	
19	140.00181.000		140.00211.000	
21	1003220		1003219	
23	1003222		1003221	
25	1003224		1003223	

007: Seat / backrest / calf plate



Pos	Article number	Units	Description	
1	-	1	Sedeo Seat See page 38.	
2	00000.3617	2	Screw M5X30	
3	00000.6501	2	Pipe clamp DIA 22 black	
4	220.00121.505	1	Calf plate standard	
	220.00141.505	1	Calf plate small	
5	00000.3206	4	Screw M5X16	
6	-	1	Sedeo backrest See page 38.	
7	00000.5721	4	Washer flat M6	
8	00000.6504	4	Pipe clamp back closed type	
9	00000.3207	4	Screw M5X20	
-	9002008	-	Heavy duty backrest clamps (set)	

SEDEO SEAT CUSHIONS

SPARE PARTS

W X D	PROFILED	PROFILED WITH GREY MIDDLE BAR	MEMORY FOAM	SUPPORT
42x50	200.42131.505	1002950	200.40481.517	205.42791.517
46x50	200.42211.505	1002951	200.40561.517	205.42871.517
50x50	200.42291.505	1002952	200.40641.517	205.42951.517
42x54	1001977	1002953	1001997	1002006
42x58	1001978	1002954	1001998	1002007
46x54	1001979	1002955	1001999	1002008
46x58	1001980	1002956	1002000	1002009
50x54	1001981	1002957	1002001	1002010
50x58	1001982	1002958	1002002	1002011
54x50	1001983	1002959	1002003	1002012
54x54	1001984	1002960	1002004	1002013
54x58	1001985	1002961	1002005	1002014

W X D	BALANCE	FLUID	AIR
42x50	201.47741.517	1003360	1003363
46x50	201.47821.517	1003361	1003364
50x50	201.47901.517	1003362	1003365
42x54	1002024		
42x58	1002025		
46x54	1002026		
46x58	1002027		
50x54	1002028		
50x58	1002029		
54x50	1002030		
54x54	1002031		
54x58	1002032		

W X D	BOARD	BOARD WITH REAR PAN	PAN
42x50	1002042	1002054	202.41141.505
46x50	1002045	1002057	202.41221.505
50x50	1002048	1002060	202.41301.505
42x54	1002043	1002055	1002033
42x58	1002044	1002056	1002034
46x54	1002046	1002058	1002035
46x58	1002047	1002059	1002036
50x54	1002049	1002061	1002037
50x58	1002050	1002062	1002038
54x50	1002051	1002063	1002039
54x54	1002052	1002064	1002040
54x58	1002053	1002065	1002041

ADAPTATIONS special conditions will apply on all adaptations

Profiled with grey middle bar seat cushion, other upholstery size and/or material	
Memory foam seat cushion, other upholstery size and/or material	
Support seat cushion, other upholstery size and/or material	
Balance seat cushion, other upholstery size and/or material	
Fluid seat cushion, other upholstery size and/or material	
Air seat cushion, other upholstery size and/or material	
Board, other upholstery size and/or material	
Board with rear pan, other upholstery size and/or material	
Pan, other upholstery size and/or material	

SEDEO BACKRESTS

SPARE PARTS

W X D	PROFILED	PROFILED WITH GREY MIDDLE BAR	WITH LUMBAR SUPPORT	EXTRA SOFT
42x52	207.20031.505	1002974	215.20031.505	207.20211.520
46x52	207.20051.505	1002975	215.20051.505	207.20231.520
50x52	207.20071.505	1002976	215.20071.505	207.20251.520
42x56	1002143	1002977	1002161	1002179
42x60	1002144	1002978	1002162	1002180
46x56	1002145	1002979	1002163	1002181
46x60	1002146	1002980	1002164	1002182
50x56	1002147	1002981	1002165	1002183
50x60	1002148	1002982	1002166	1002184
54x52	1002149	1002983	1002167	1002185
54x56	1002150	1002984	1002168	1002186
54x60	1002151	1002985	1002169	1002187

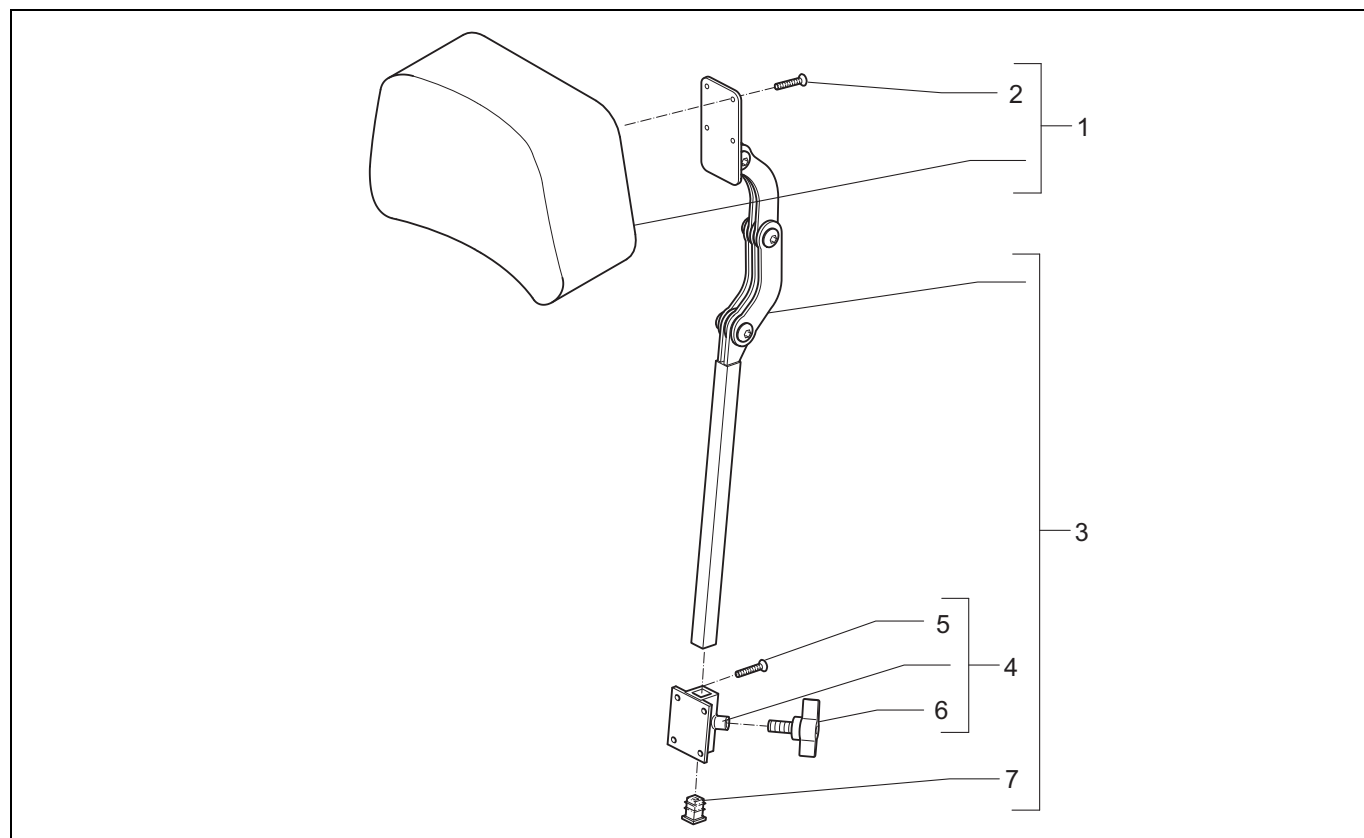
W X D	WEBBED	SUPPORT	WITH STRAPS	WITH STRAPS, ACTIVE
42x52	207.20751.520	209.20211.505	214.20751.520	214.23031.520
46x52	207.20771.520	209.20231.505	214.20771.520	214.23041.520
50x52	207.20791.520	209.20251.505	214.20791.520	214.23051.520
42x56	1002152	1002170	1002188	1002197
42x60	1002153	1002171	1002189	1002198
46x56	1002154	1002172	1002190	1002199
46x60	1002155	1002173	1002191	1002200
50x56	1002156	1002174	1002192	1002201
50x60	1002157	1002175	1002193	1002202
54x52	1002158	1002176	1002194	1002203
54x56	1002159	1002177	1002195	1002204
54x60	1002160	1002178	1002196	1002205

W X D	WITH STRAPS, ACTIVE FLEXIBLE	WITH STRAPS, PASSIVE FLEXIBLE
40x50	1008559	1010725
45x50	1008560	1010726
50x50	1008561	1010727

ADAPTATIONS special conditions will apply on all adaptations

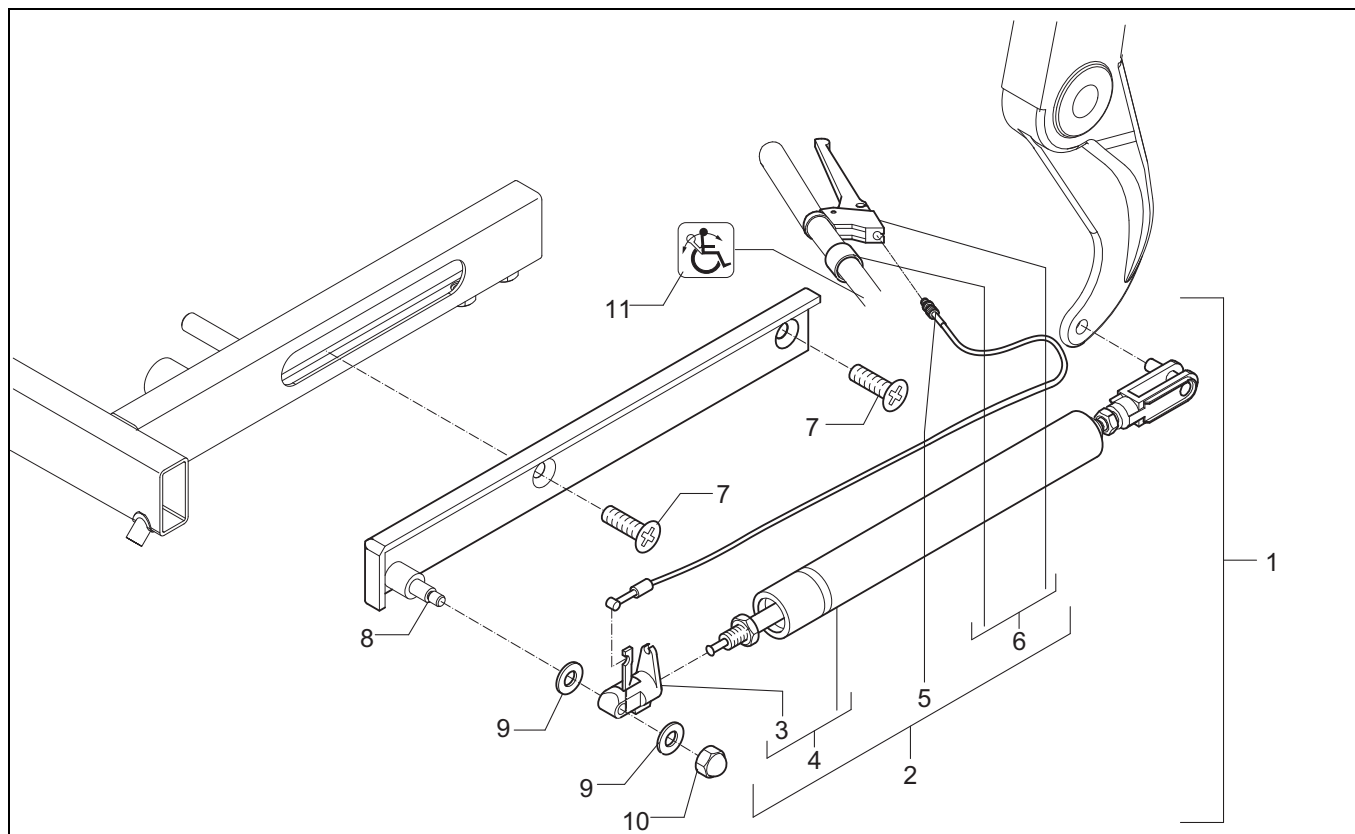
Profiled with grey middle bar backrest, other upholstery size and/or material	
Backrest with lumbar support, other upholstery size and/or material	
Extra soft backrest, other upholstery size and/or material	
Webbed backrest, other upholstery size and/or material	
Support backrest, other upholstery size and/or material	
Backrest with straps, other upholstery size and/or material	
Backrest with straps, active, other upholstery size and/or material	
Backrest with straps, active flexible, other upholstery size and/or material	
Backrest with straps, passive flexible, other upholstery size and/or material	

008: Headrest



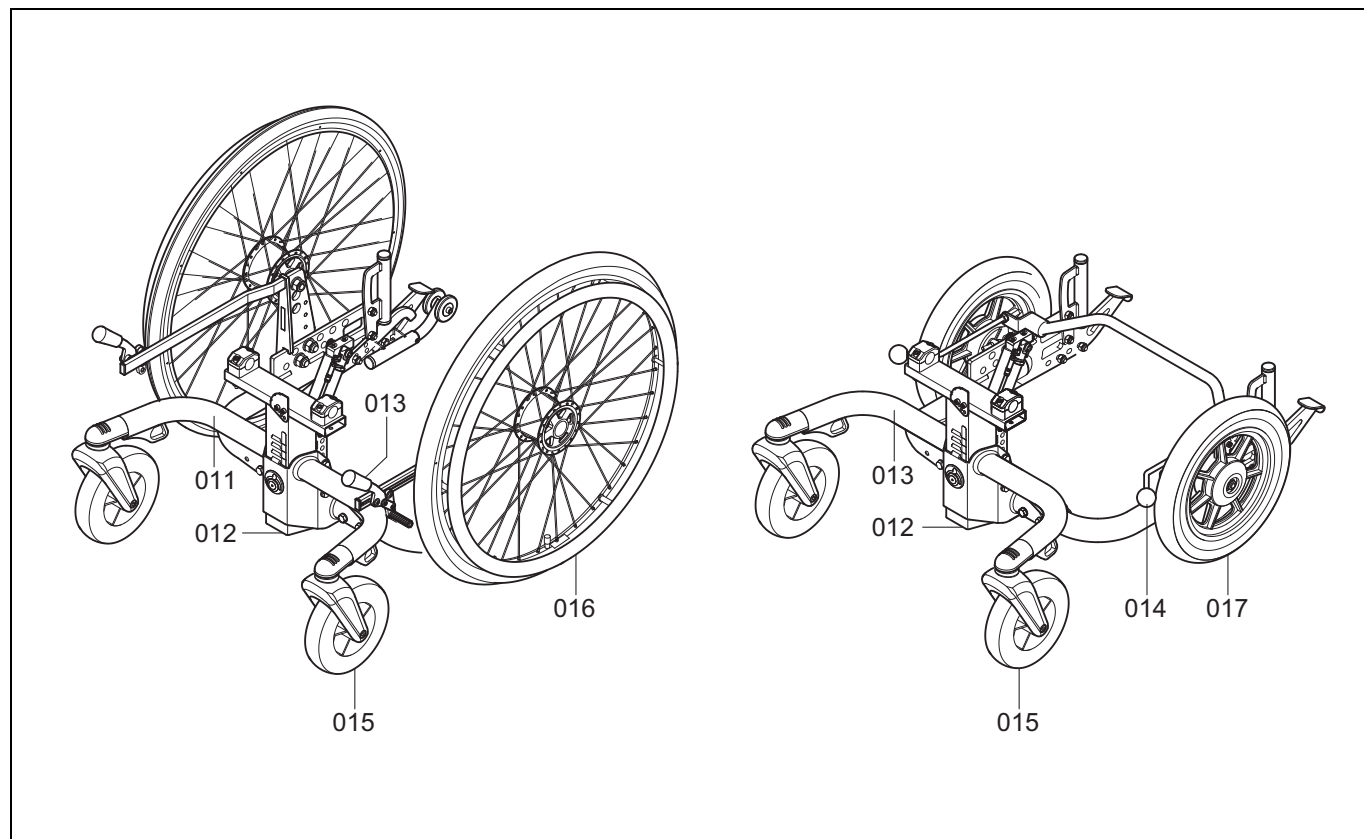
Pos	Article number	Units	Description	
1	222.00151.505	1	Headrest type 4, small mode, black Sellaskin	
	222.00131.505	1	Headrest Type 3, Flexible, black Sellaskin	
	222.00111.505	1	Headrest Type 2, Large, black Sellaskin	
2	00000.3206	8	Screw bck/kr M5X16 D7985	
3	02193.0023	1	Metal Section Headrest. Standard Adjustable	
	02194.0023	1	Metal Section Headrest. With Adjustable Width	
	906.00000.161	1	Metal Section Headrest. With angle lever	
4	01183.9023	1	Headrest adjustment holder	
5	00000.3206	8	Screw bck/kr M5X16 D7985	
6	00000.6801	1	Star knob outs M8X30 BLACK MH	
7	00000.9301	1	Insert cap 15mm square	

009: Gas spring backrest adjustment



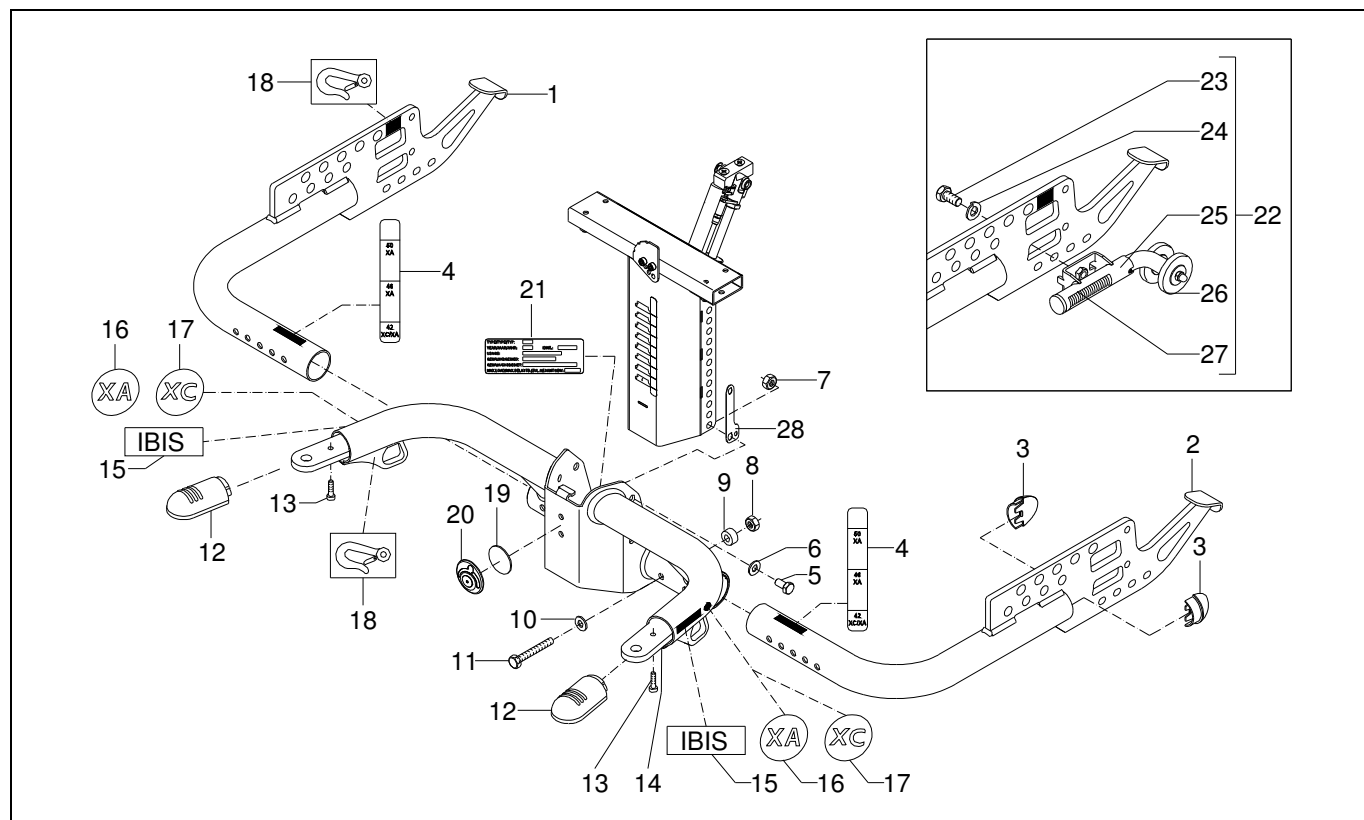
Pos	Article number	Units	Description	
1	1003440	1	Gasspring backrest adjustment complete	
2	02152.9200	1	Gasspring backrest adj.	
3	02010.6910	1	Gasspring unlock mechanism	
4	1002813	1	Gasspring bloc-o-lift 200N	
5	1008057	1	Cable	
6	1007008	1	Handle	
7	00001.0914	2	Screw M8X16	
8	02030.3523	1	Bracket backrest adjustment	
9	00000.2250	2	Spring washer fluted M8	
10	00000.1801	1	Cap lock nut M6	
11	00001.1405	1	Label backrest adjustment	

4.2 Ibis XA and Ibis XC



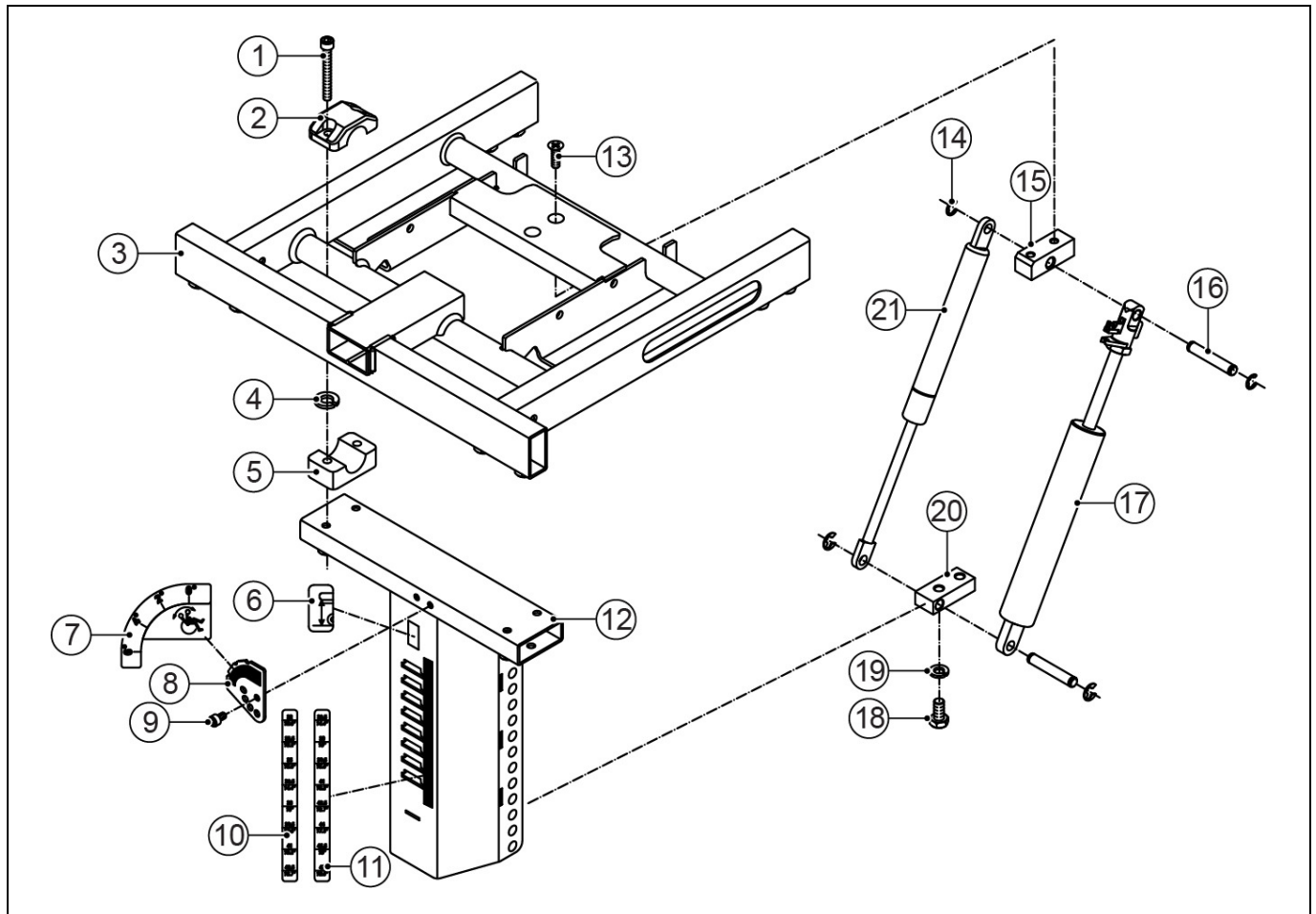
Drawing	Description	Page
010	Carrier	43
011	Seat post	44
012	Brake system XA	45
013	Brake system XC	46
014	Wheel, castor	47
015	Rear wheel XA	48
016	Rear wheel XC	49

010: Carrier



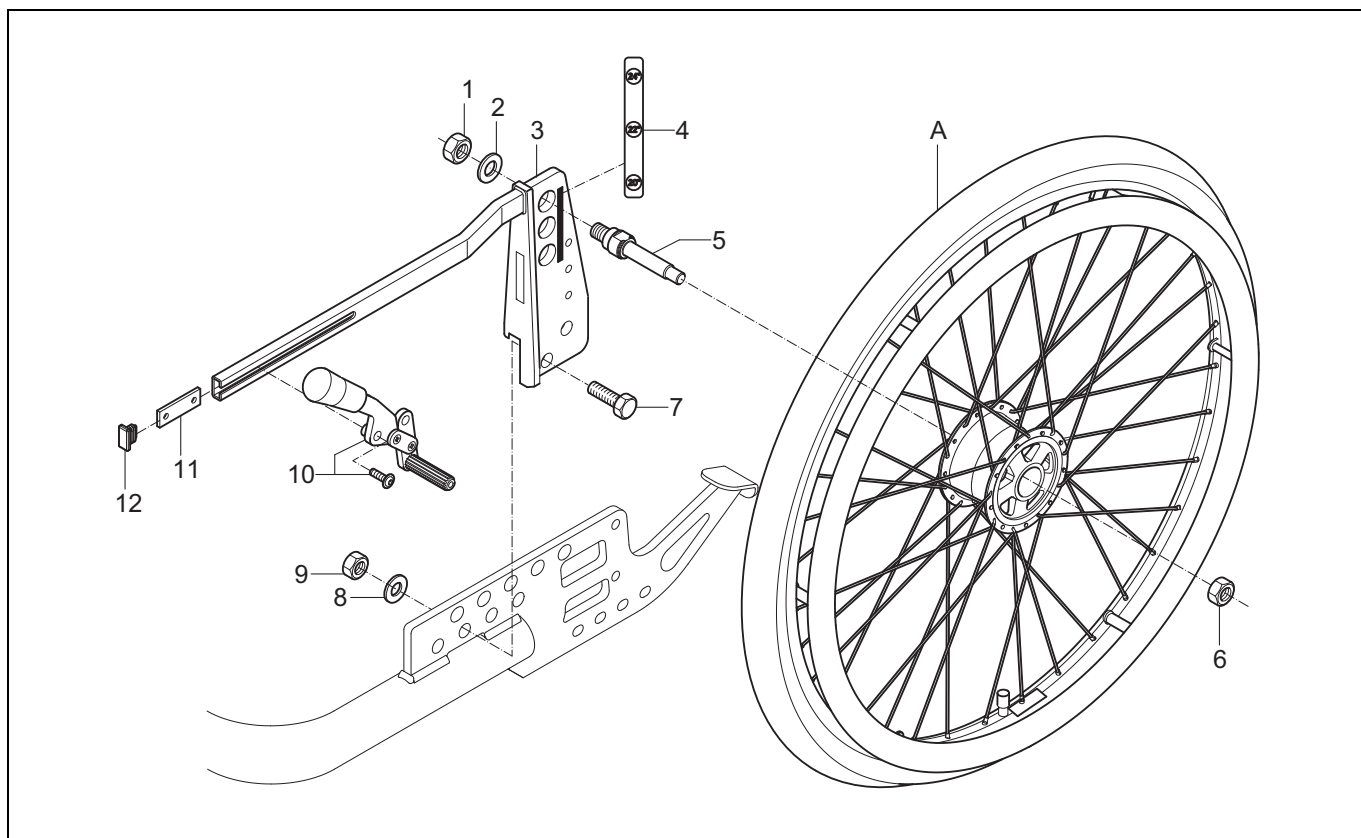
Pos	Article number	Units	Description	
1	1008041	1	Carrier rear frame right	
2	1008042	1	Carrier rear frame left	
3	9000943	4	Tube cap frame	
4	1003247	2	Label back rest angle (sticker sheet)	
5	00000.4312	4	Hex bolt M8x16	
6	00000.2003	4	Washer flat M8 D125A/vz	
7	00000.1702	4	Locknut M8 D985/8/vz	
8	00000.1702	4	Locknut M8 D985/8/vz	
9	9001153	4	Spacer 8x13x6	
10	00000.2003	4	Washer flat M8 D125A/vz	
11	00000.4114	4	Hex bolt M8X60	
12	9001140	2	Tube cap	
13	1002789	2	Screw 4X16	
14	1008059	1	Carrier front frame	
15	1002629	2	Label IBIS	
16	1002632	2	Label XA	
17	1002631	2	Label XC	
18	1003247	4	Label back rest angle (sticker sheet)	
19	9000872	1	Adhesive logo button	
20	9002232	1	Handicare logo	
21	-	1	Identification plate	
22	1008040	1	Anti tip (set)	
23	00000.4311	2	Hexagonal tap bolt M8X20 VZ	
24	00000.2203	2	Spring washer SW8	
25	9000999	2	Anti tip	
26	9001004	4	Anti tip wheel	
27	9001098	2	Anti tip spring	
28	9001978	2	Spacer plate 0,5mm	
	9001980	2	Spacer plate 1,0mm	
	9001981	2	Spacer plate 1,5mm	

011: Seat post



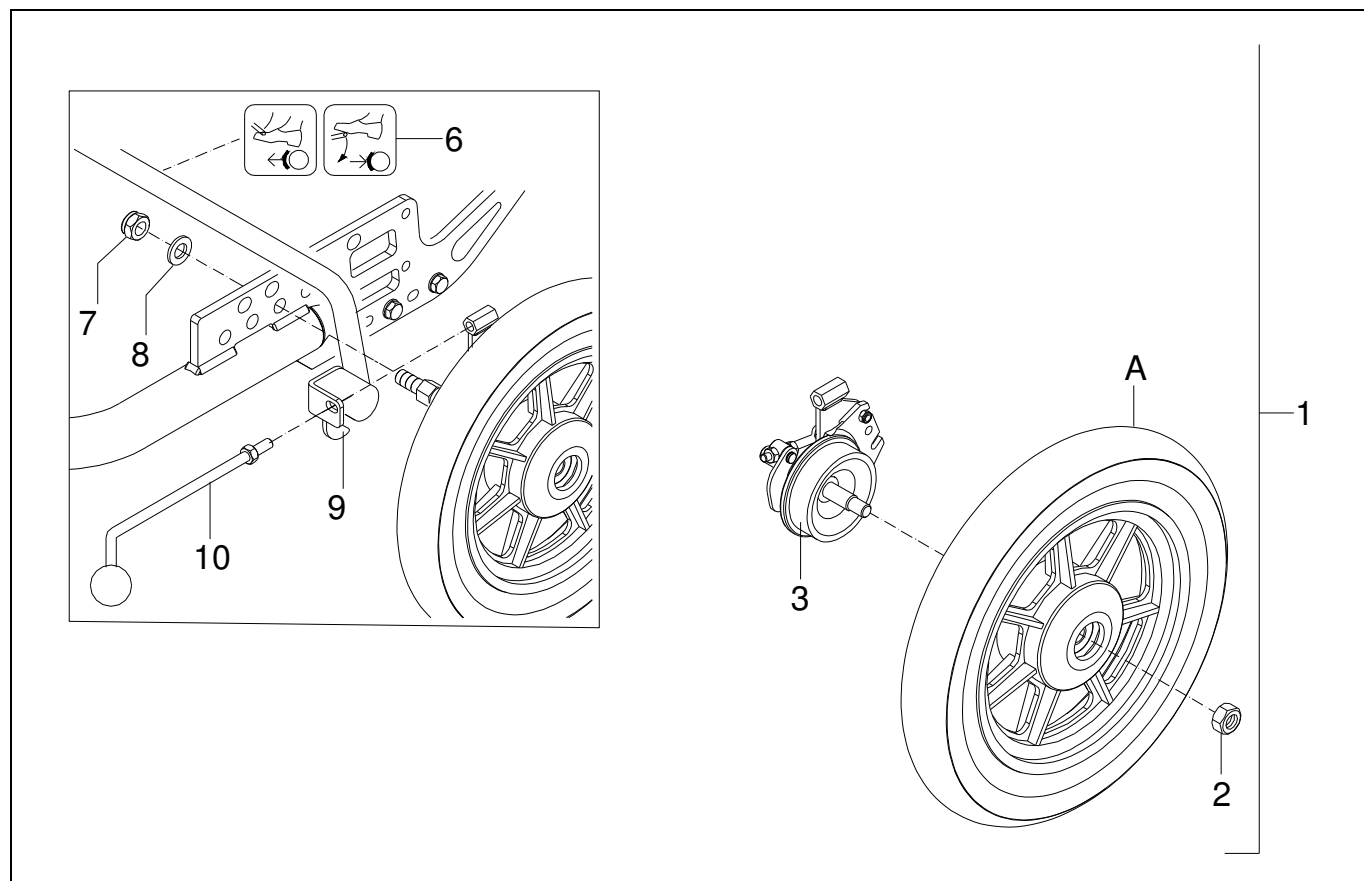
Pos	Article number	Units	Description	
1	00000.4014	4	Cyl cap screw M6X50	
2	02010.6182	2	Upper hinge block 22mm	
3	9000951	1	Sedeo seating frame	
4	00000.2002	4	Washer flat M6 DIN125A/VZ	
5	02010.7682	2	Lower hinge block 22mm	
6	1003247	1	Label seat height symbol (sticker sheet)	
7-9	1008044	1	Seat angle indicator	
7	1003247	1	Label seat angle (sticker sheet)	
9	00000.4036	2	Cyl cap screw M5X12	
10	1003247	1	Label seat height (39-49,5 cm) (sticker sheet)	
11	1003247	1	Label seat height (46,5-54 cm) (sticker sheet)	
12	1007672	1	Seat post short	
	1007673	1	Seat post long	
13	00000.3608	2	Screw M6x12	
14	00000.1404	4	Shaft lock washer 7MM	
15	9001398	1	Hinge block	
16	9001154	2	Axis gasspring	
17	9001043	1	Gasspring bloc-o-lift 1000N	
18	00000.4312	2	Hex bolt M8X16	
19	00000.2203	2	Spring washer M8	
20	9001128	1	Gasspring hinge block	
21	9001044	1	Gasspring lift-o-mat 500N	
	9001209	1	Gasspring lift-o-mat 700N	
-	02010.6910	1	Gasspring operating mechanism	

012: Brake system XA



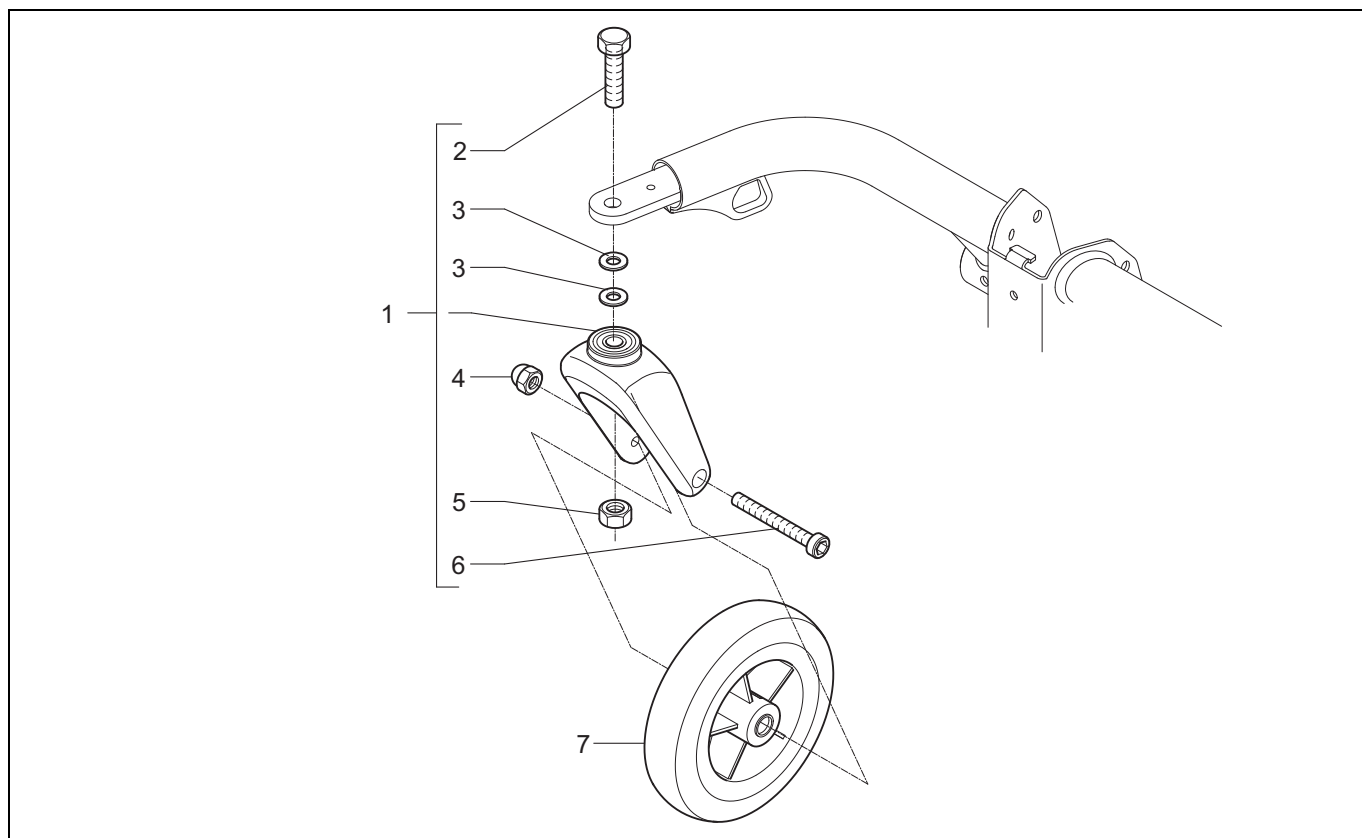
Pos	Article number	Units	Description	
1	00000.1704	2	Lock nut M12	
2	00000.2005	2	Washer flat M12	
3	9001025	1	Wheel plate left	
	9001075	1	Wheel plate right	
4	1003247	2	Label wheels (sticker sheet)	
5	9001097	2	Wheel axle	
6	00000.1703	2	Lock nut M10	
7	1002639	4	Hex bolt M12X35	
8	00000.2005	4	Washer flat M12	
9	00000.1704	4	Lock nut M12	
10	9001167	1	Brake assy left	
	9001166	1	Brake assy right	
11	9001063	2	Clamp plate	
12	00000.9207	2	Insert cap 20x10	
A			See 015: Rear wheel XA	

013: Brake system XC



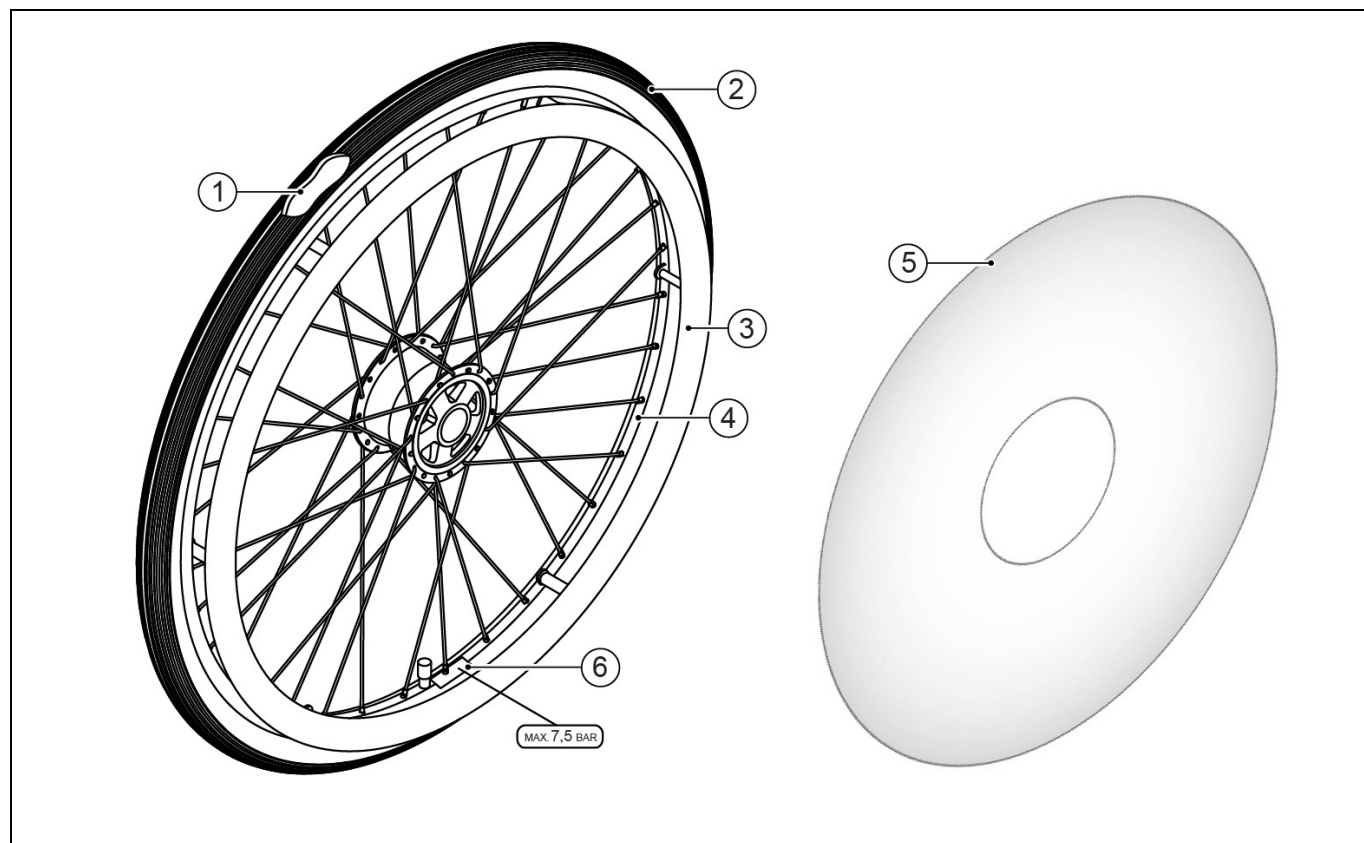
Pos	Article number	Units	Description
1	9000915	1	Wheel, 12", air, with brake, assy, left, Ibis XC
	1002790	1	Wheel, 12", PU, with brake, assy, left, Ibis XC
	9001076	1	Wheel, 12", air, with brake, assy, right, Ibis XC
	1002791	1	Wheel, 12", PU, with brake, assy, right, Ibis XC
2	00000.1704	2	Locknut M12 D985/8/vz
3	9001199	1	Brake complete left
	9001200	1	Brake complete right
6	00001.1409	1	Label footbrake
7	00000.1704	2	Lock nut M12
8	00000.2005	2	Washer flat M12
9	9007003	1	Footlever
	9007204	1	Footlever extra wide
10	1002814	2	Brake lever
A			See 016: Rear wheel XC

014: Swivel Castor



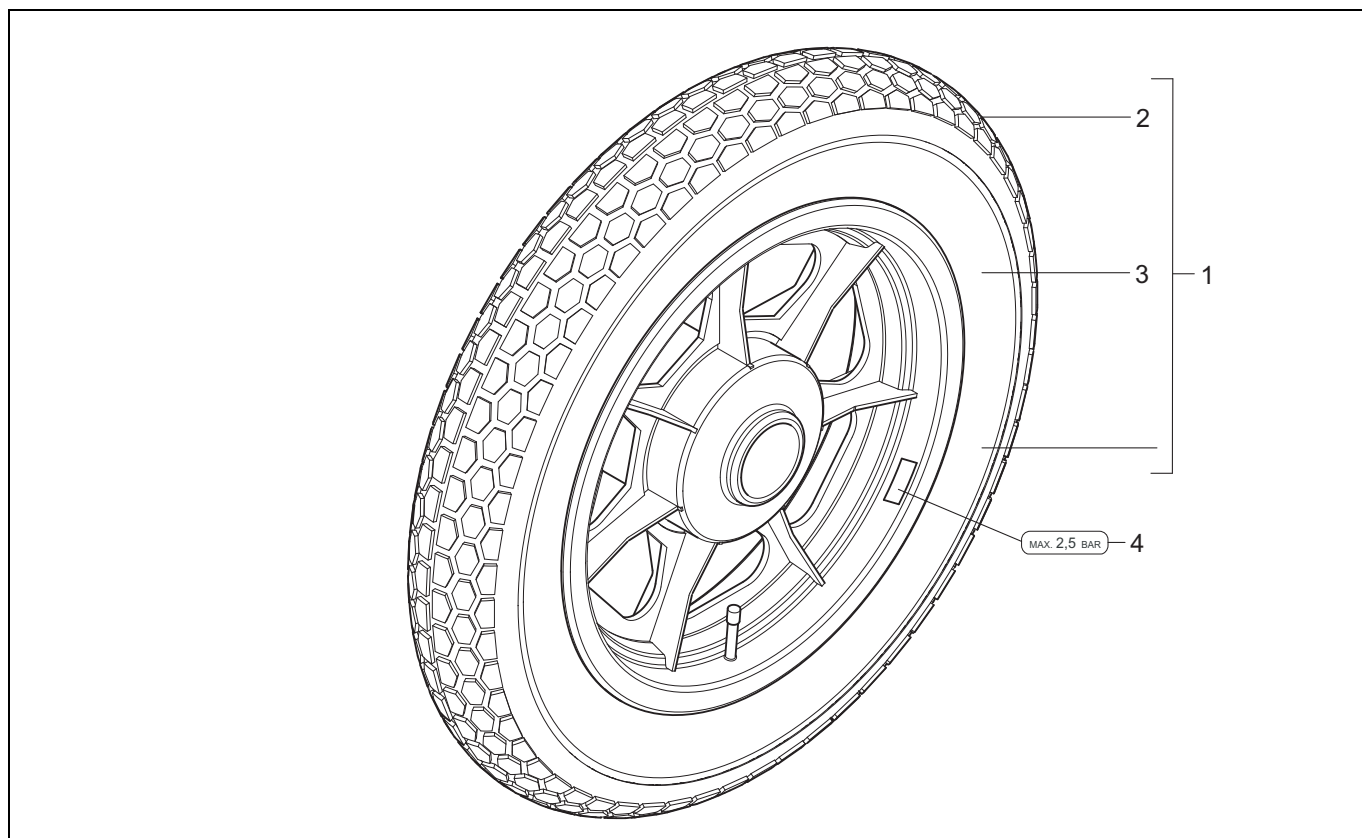
Pos	Article number	Units	Description	
1	1008053	2	Front fork	
2	00000.4310	2	Hex bolt M12X50	
3	00000.6007	2	Shim 12X18X1	
4	00000.1802	2	Cap lock nut M8	
5	9002729	2	Lock nut M12	
6	00000.4001	2	Cyl cap screw M8X75	
7	1001446	2	Wheel,castor,7",air,assy	
	1001447	2	Wheel,castor,7",PU,assy	

015 Rear wheel XA



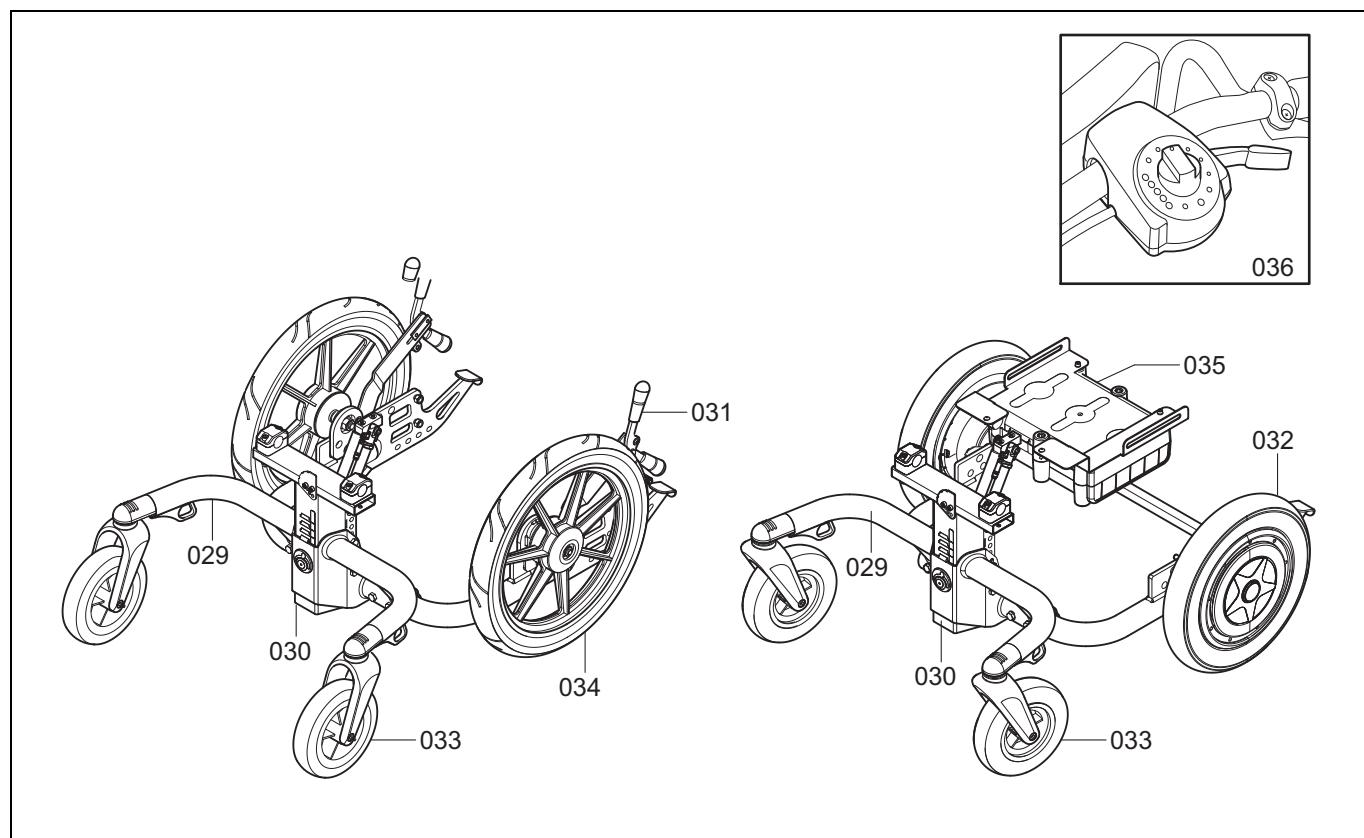
Pos	Article number	Units	Description	
1-4	03877.0100	2	Wheel 20" air	
	1002746	2	Wheel 20" PU	
	03875.0100	2	Wheel 22" air	
	1002748	2	Wheel 22" PU	
	03860.1100	2	Wheel 24" air	
	1002750	2	Wheel 24" PU	
1	1003690	2	Tube 20"	
	1003691	2	Tube 22"	
	1003692	2	Tube 24"	
2	1003686	2	Tire 20"	
	1003687	2	Tire 22"	
	1003688	2	Tire 24"	
3	1003695	2	Hoop 20"	
	84541	2	Hoop 22"	
	1003697	2	Hoop 24"	
5	02800.9200	2	Spoke guard 20"	
	02800.9100	2	Spoke guard 22"	
	02800.9000	2	Spoke guard 24"	
6	008.00000.221	2	Label tire pressure 7.5 Bar	

016: Rear wheel XC

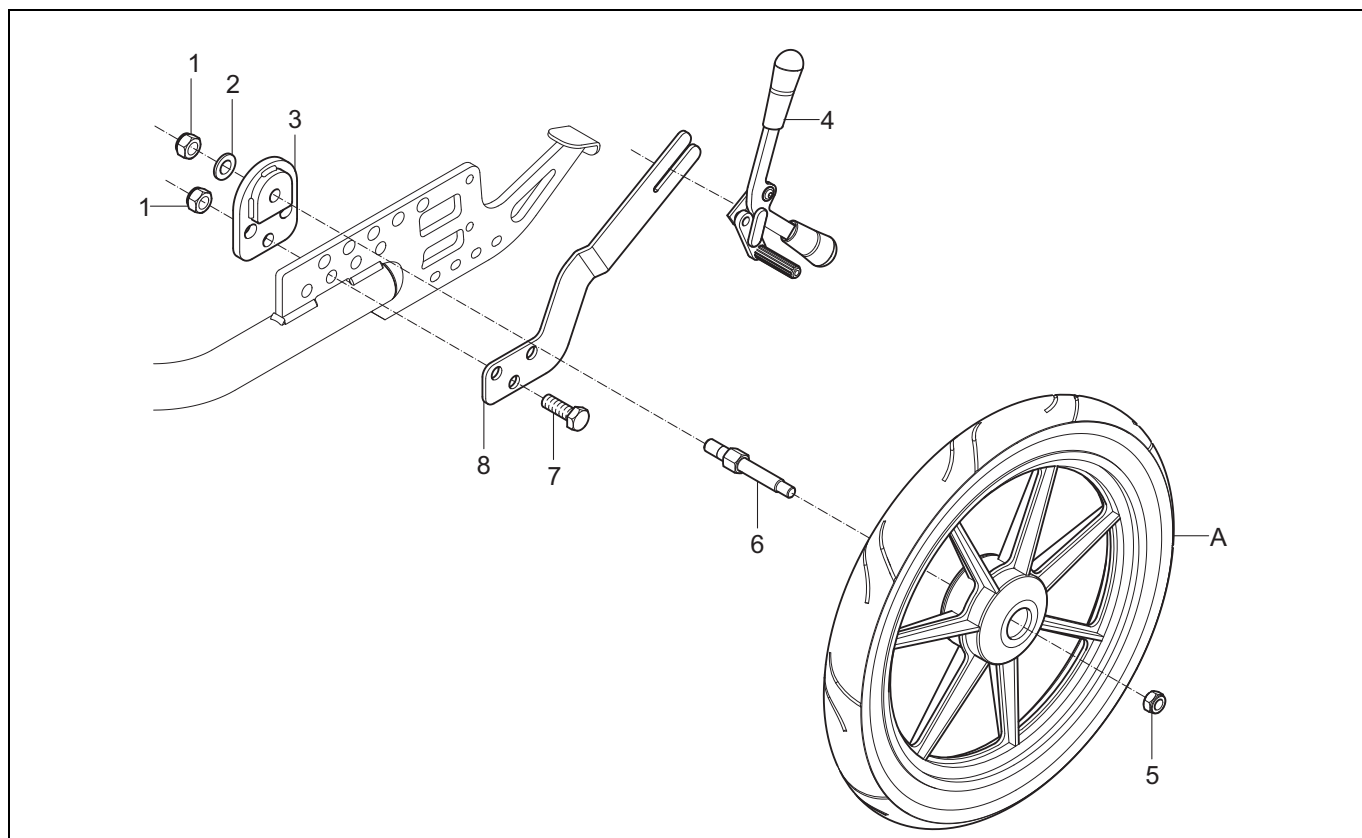


Pos	Article number	Units	Description	
1	1001138	2	Wheel 12" air	
	1001166	2	Wheel 12" PU	
2	1003689	2	Tire 12"	
3	01010.3300	2	Tube 12"	
4	00001.1461	2	Label tire pressure 2.5 Bar (sticker sheet)	

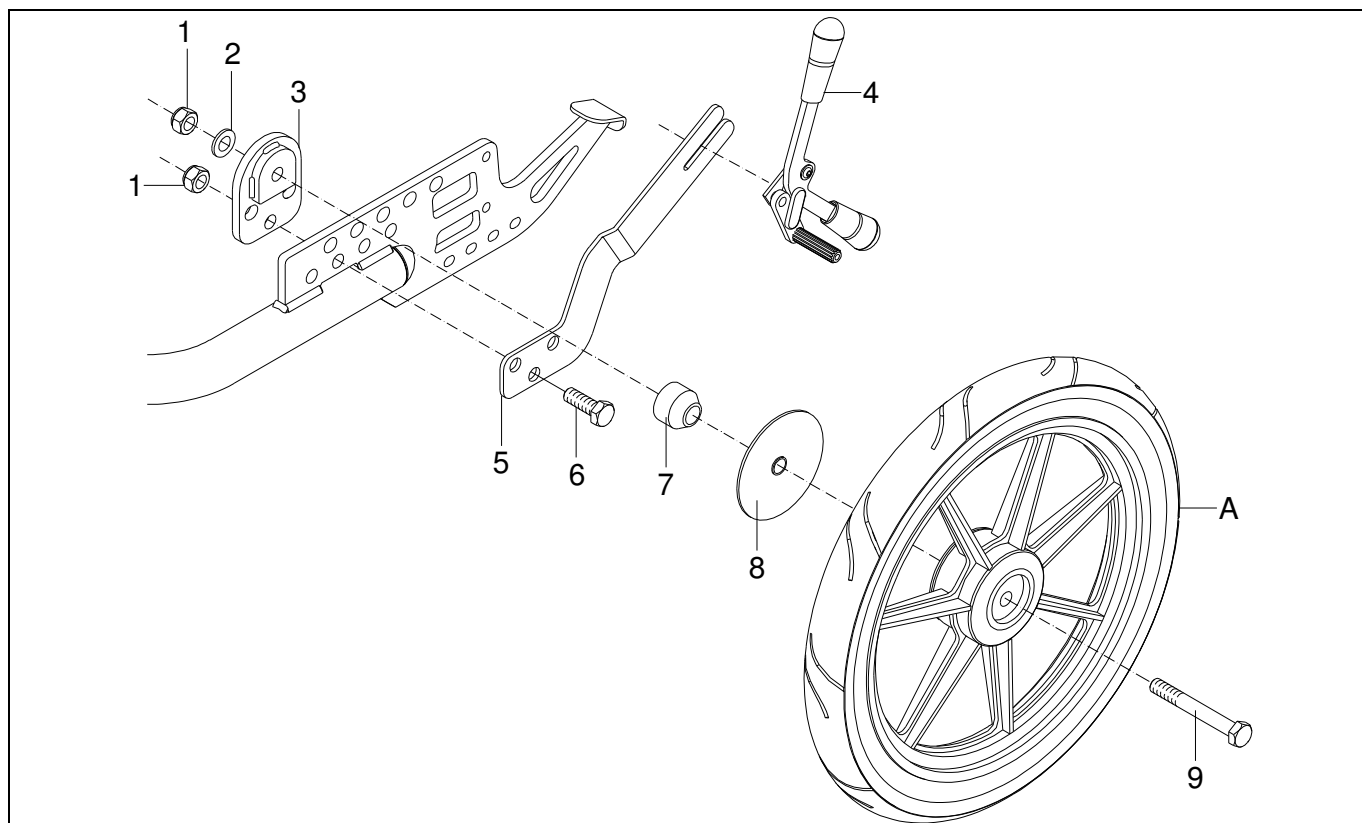
4.3 Options Ibis XC 16" and Ibis XC Power Support



Drawing	Description	Page
017	Carrier (See 010)	43
018	Seat post (See 011)	44
019	Brake system (XC 16")	51 – 52
020	Brake system (XC Power Support)	53
021	Swivel castor (See 014)	47
022	Rear wheel (XC 16")	54
023	Battery pack	55
024	Remote (XC Power Support)	56

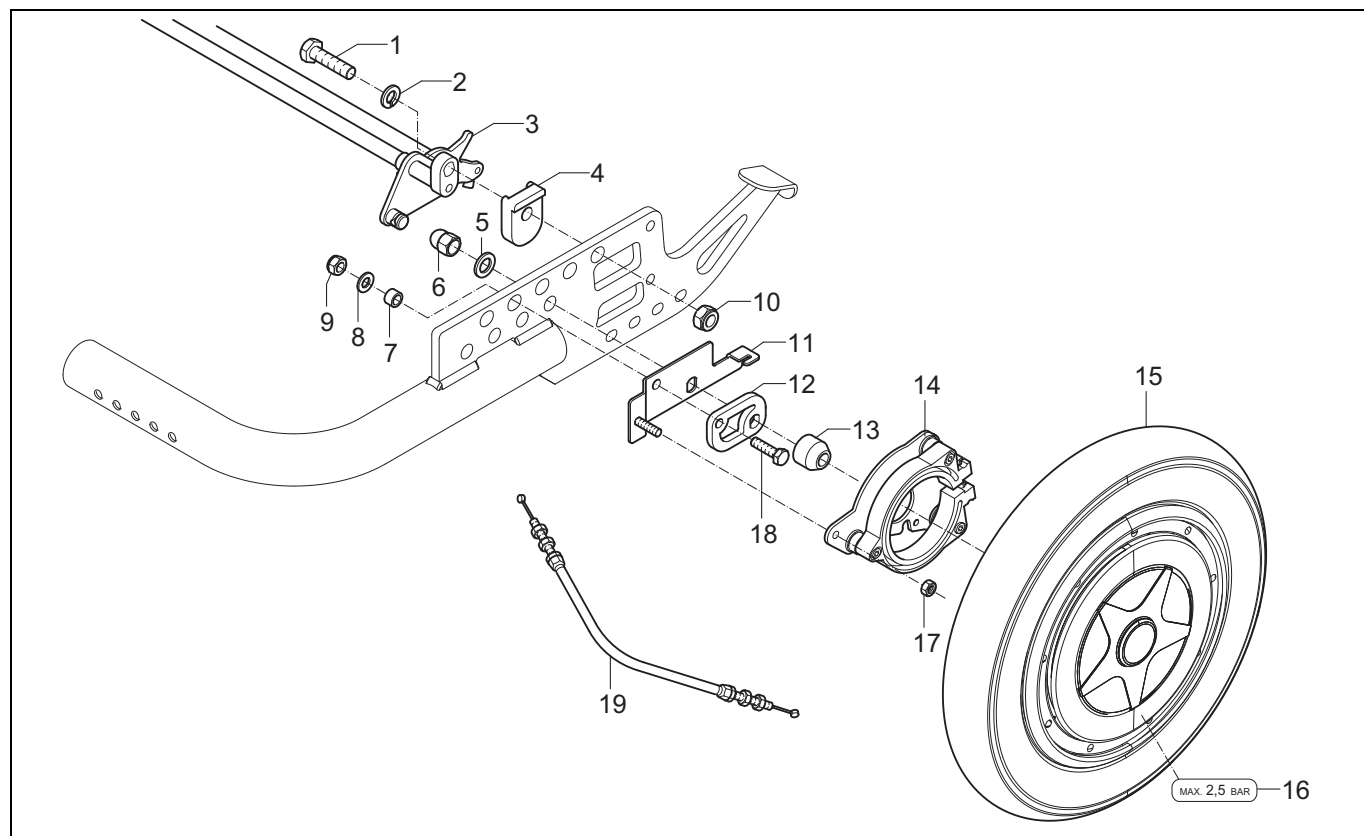
019 Brake system (XC 16") Situation upon serial number: JIX 6387.**Note:**

From serial number JIX 6388 the 16" wheel and mounting has been changed. If parts are needed for the old situation, the new situation should be applied. We advise to change both sites.
For spare parts see drawing 19a

019a Brake system (XC 16") Situation from serial number: JIX 6388.

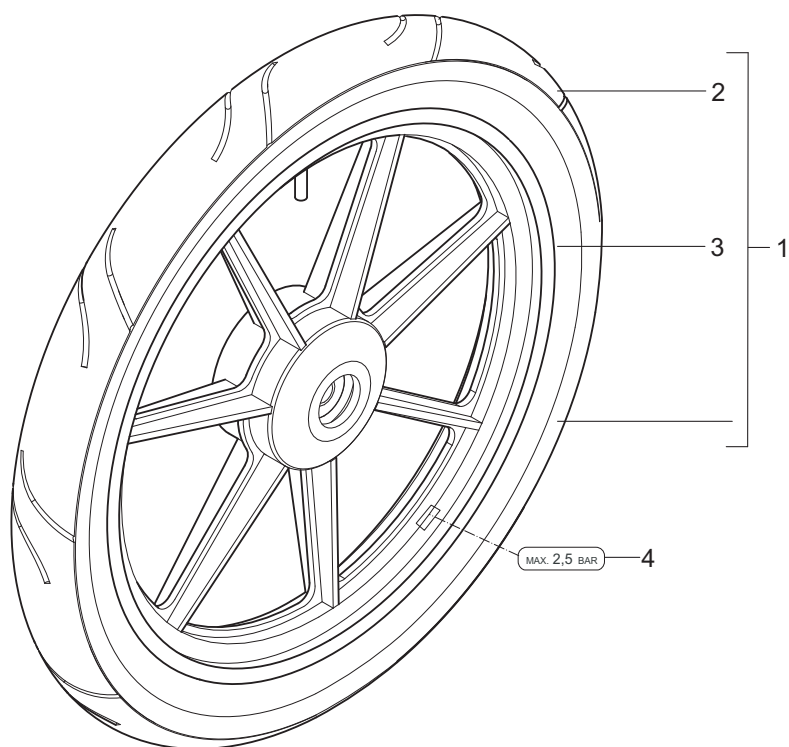
Pos	Article number	Units	Description	
1	00000.1704	6	Lock nut M12	
2	00000.2005	2	Washer flat M12	
3	9001254	2	Interface plate	
4	9001183	1	Brake assy left - double action	
	9001184	1	Brake assy right - double action	
5	9001257	1	Brake mounting plate left	
	9001258	1	Brake mounting plate right	
6	1002639	4	Hex bolt M12X35	
7	9001766	2	Spacer	
8	9001376	2	Cover	
9	9001817	2	Hex bolt M12x90	
A			See 022: Rear wheel XC 16"	

020 Brake system (XC Power Support)



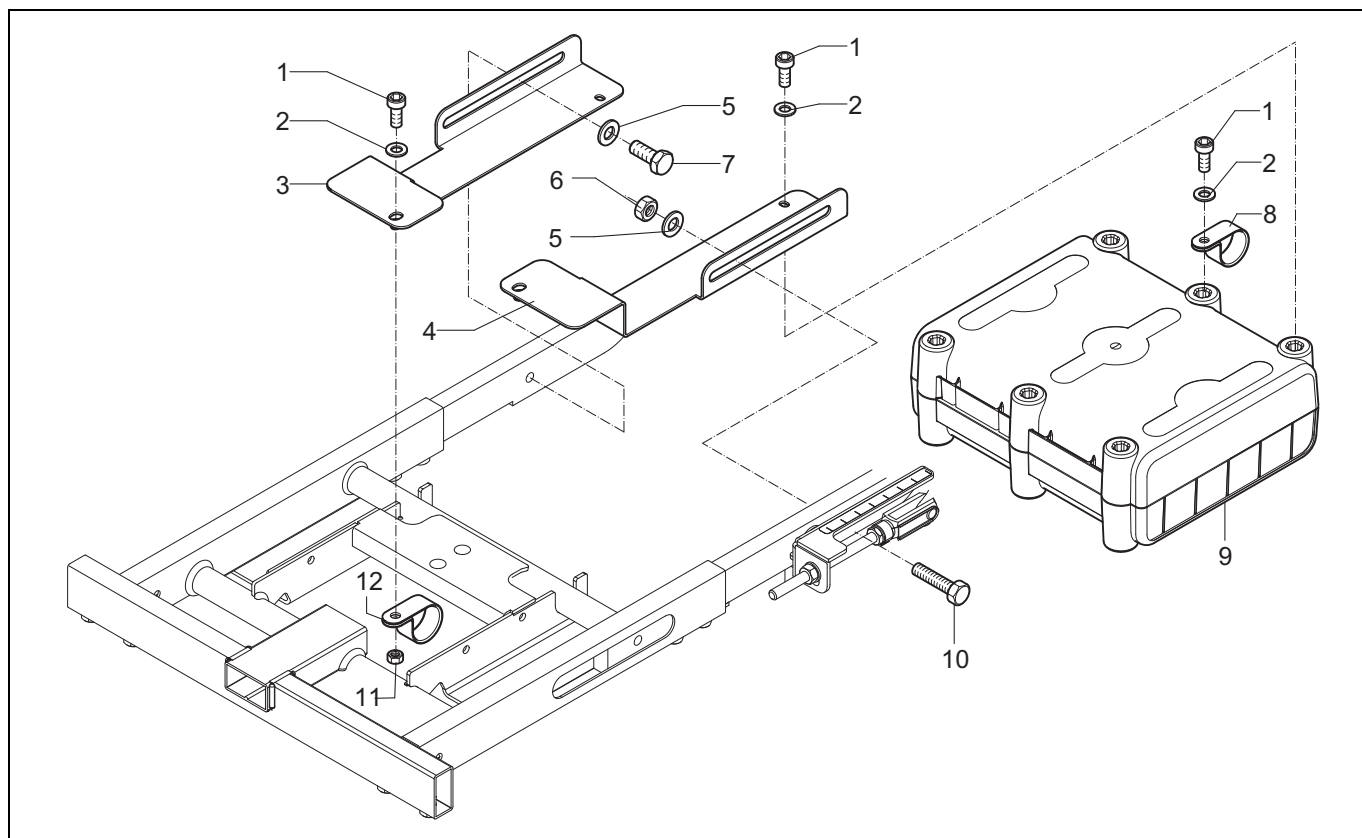
Pos	Article number	Units	Description	
1	001.03010.001	2	Hex bolt M10x40	
2	00000.2004	2	Washer flat M10	
3	1003706	1	Foot lever	
4	9000995	2	Fixation block	
5	1003707	2	Toothed spring washer M14	
6	1003708	2	Cap lock nut M14	
7	00000.5712	2	Distance bush nylon 8.2X12X7.5	
8	00000.2003	2	Washer flat M8	
9	00000.1702	2	Lock nut M8	
10	00000.1703	2	Lock nut M10	
11	9001005	1	Brake fixation plate left	
	9001006	1	Brake fixation plate right	
12	9001765	2	Fixation plate power support	
13	9001766	2	Spacer	
14	1002480	2	Power support brake hub	
15	1010222	2	Power support wheel assy, air	
	1010225	2	Power support wheel assy, PU	
16	00001.1461	2	Label tyre pressure 2.5 Bar	
17	00000.1701	1	Lock nut M6	
18	00000.4311	1	Hex bolt M8X20	
19	1002481	2	Power support brake cable	
20	1002484	2	Tyre	
21	15010.4100	2	Tube	

022 Rear wheel (XC 16")



Pos	Article number	Units	Description	
1	9002038	1	Wheel 16" air	
	9002039	1	Wheel 16" PU	
2	1003693	1	Tire 16"	
3	1003694	1	Tube 16"	
4	00001.1461	2	Label tyre pressure 2.5 Bar	

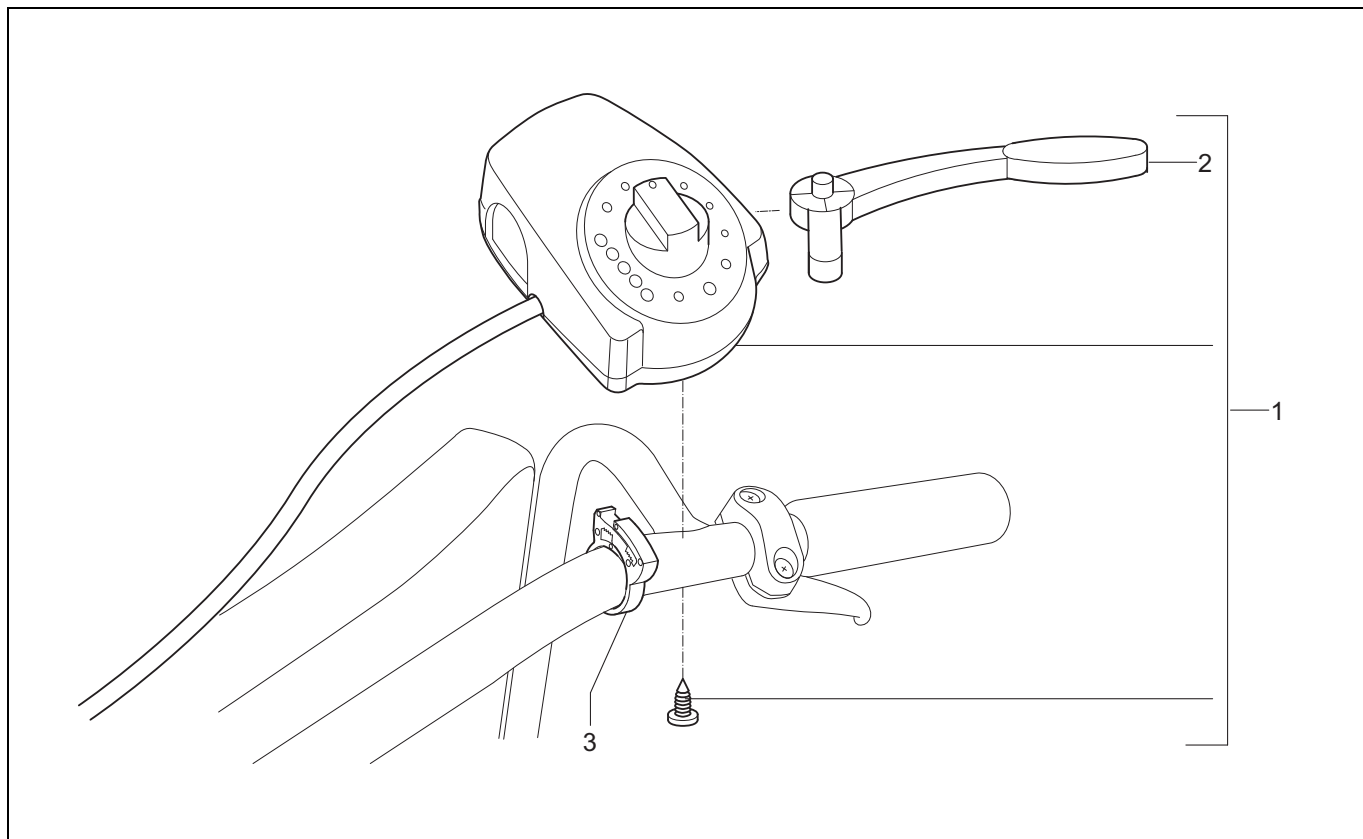
023 Battery pack



Pos	Article number	Units	Description	
1	00000.4036	8	Cyl cap screw M5X12	
2	00000.2101	8	Washer flat 3XD M5	
3	9001019	1	Power pack mounting plate right	
4	9001015	1	Power pack mounting plate left	
5	00000.2003	2	Washer flat M8	
6	00000.1702	2	Lock nut M8	
7	00000.4312	1	Hex bolt M8X16	
8	7648	2	P-clip 11/16	
9	1010223	1	Power support battery pack	
10	00000.4113	2	Hex bolt M8X35	
11	00000.1700	2	Lock nut M5	
12	1003710	2	P-clip 7/8	

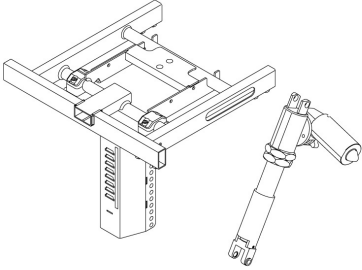
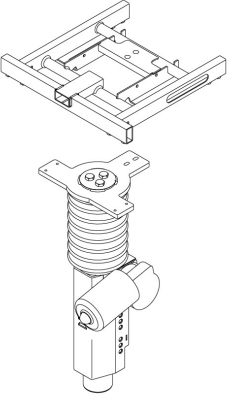
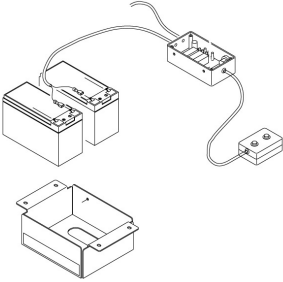
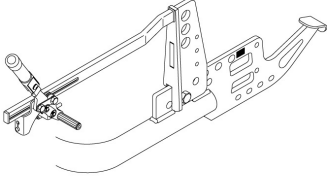
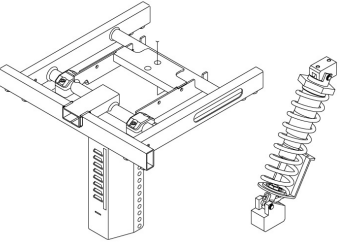
-	1002358	1	Charger Power Support	
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024 Remote (XC Power Support)



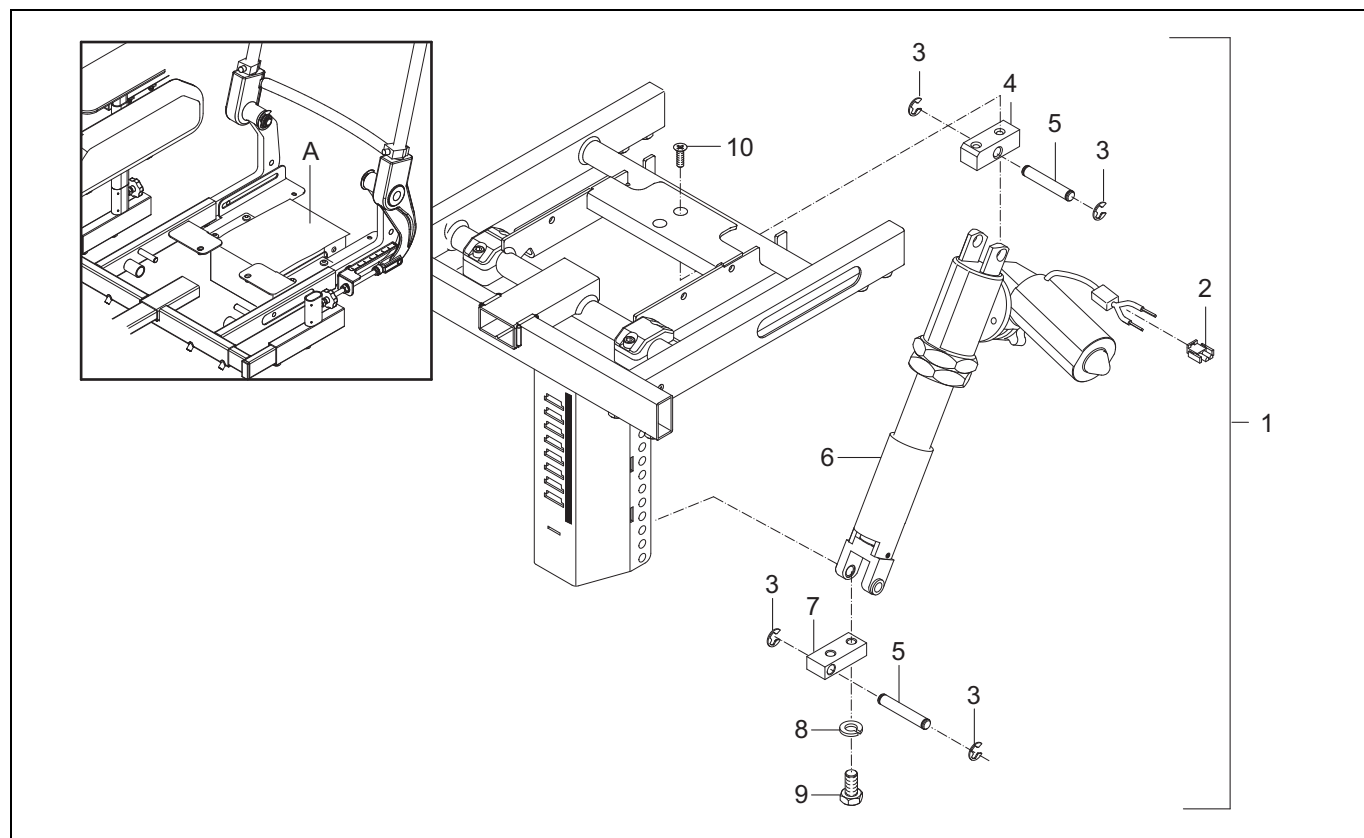
Pos	Article number	Units	Description	
1	1010220	1	Power support remote	
2	1010221	1	Power support throttle lever	
3	1003020	1	Tube clamp	
4	1010224	1	Power support remote housing (5 positions)	

4.4 Options

 025	 026	 027
 028	 029	

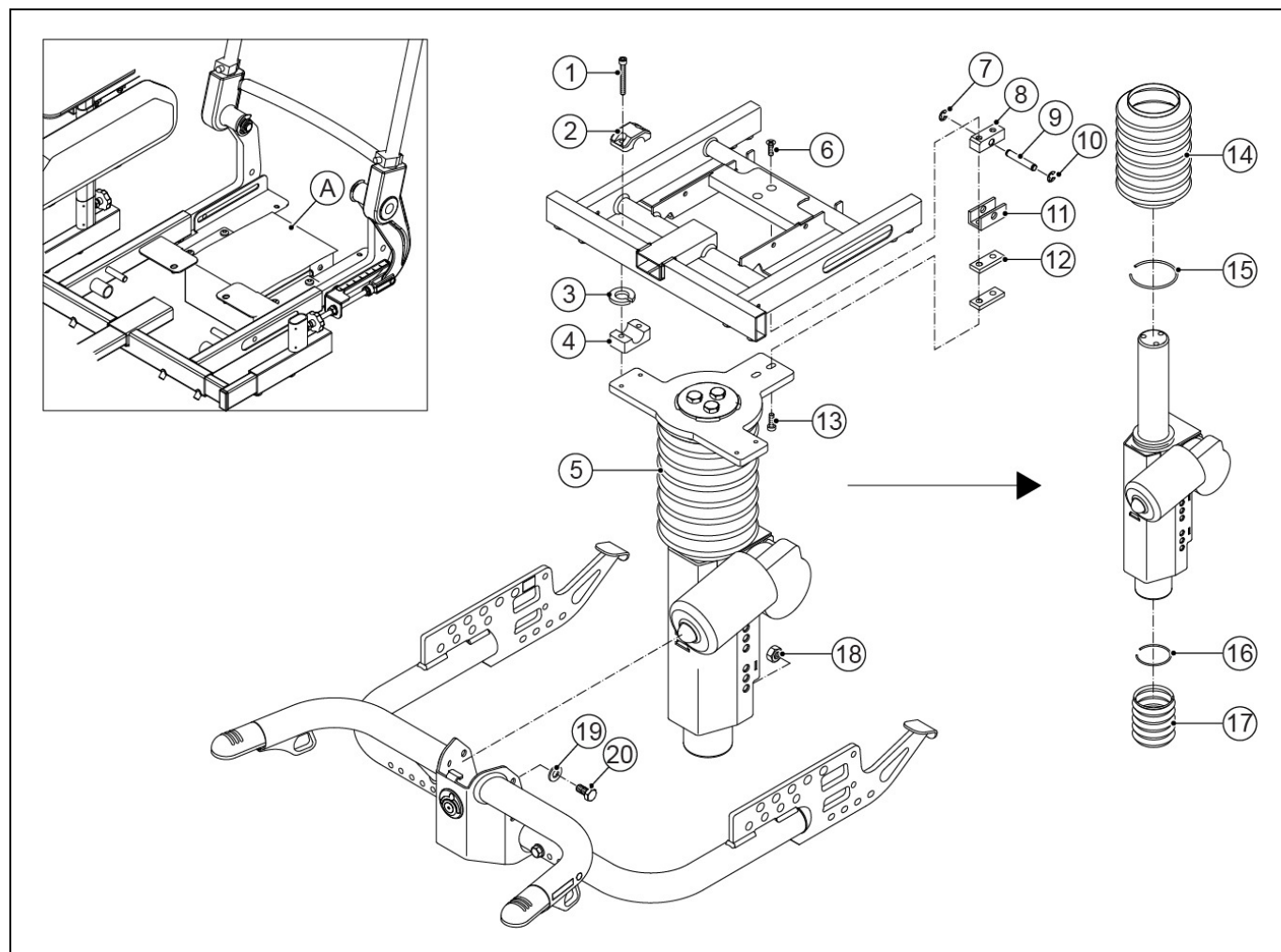
Tekening	Benaming	Pagina
025	Electrical tilt	58
026	Electrical lift	59
027	Supplementation set for electrical adjustments	60
028	Coupled push brake Ibis XA	61
029	Tilt operated by user	62

025 Electrical tilt



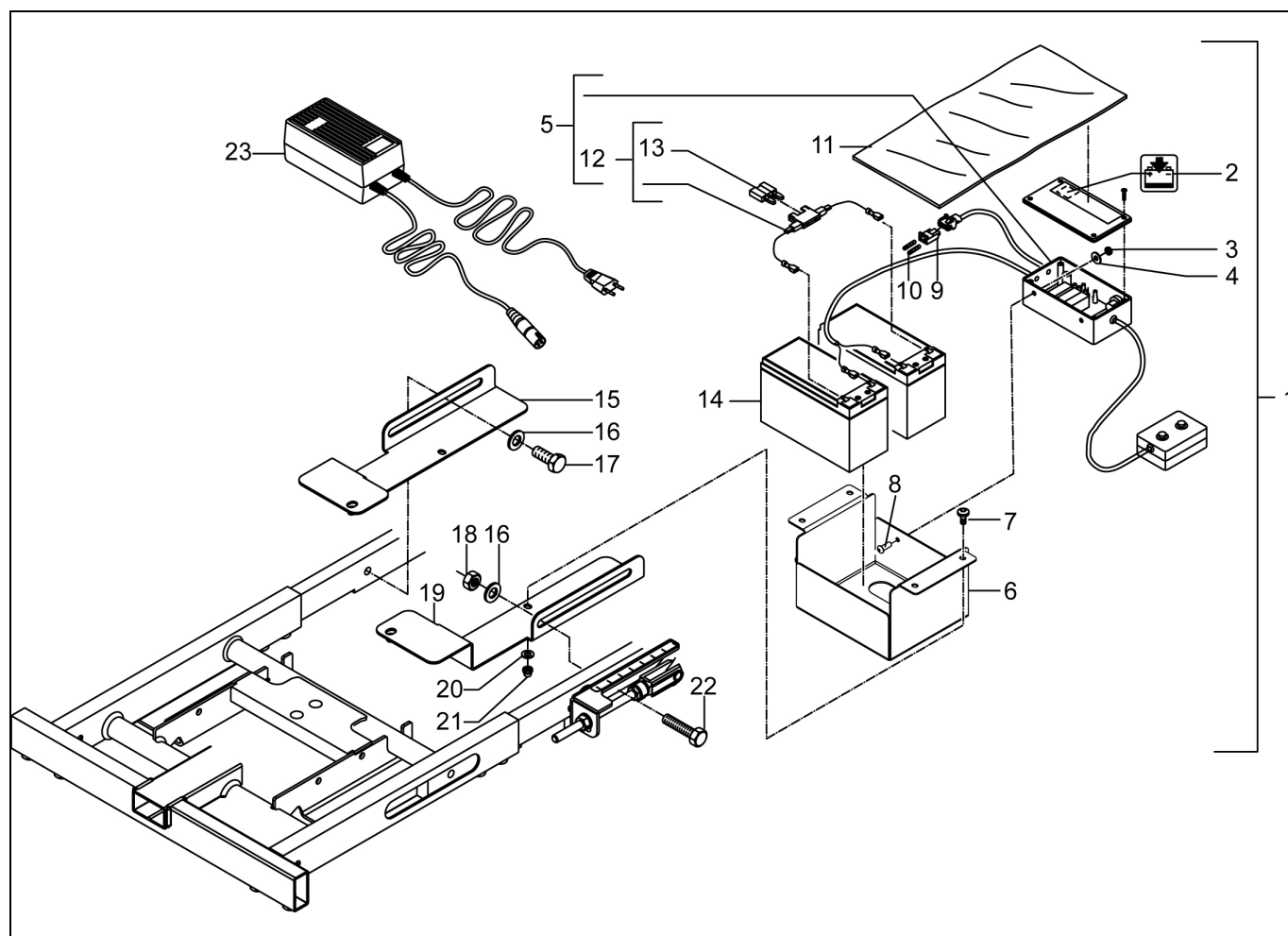
Pos	Article number	Units	Description	
1	1003391	1	Electrical tilt	
2	00355.5573	1	AMP plug 2-polig	
3	00000.1404	4	Shaft lock washer 7MM	
4	9001398	1	Hinge block	
5	9001509	2	Axle	
6	9001282	1	Actuator for electrical tilt	
7	9001128	1	Gasspring hinge block	
8	00000.2203	2	Spring washer SW8	
9	00000.4312	2	Hex bolt M8x16	
10	00000.3608	2	Screw M6X12	
A			See 027: Supplementation set for electrical adjustments	

026 Electrical lift



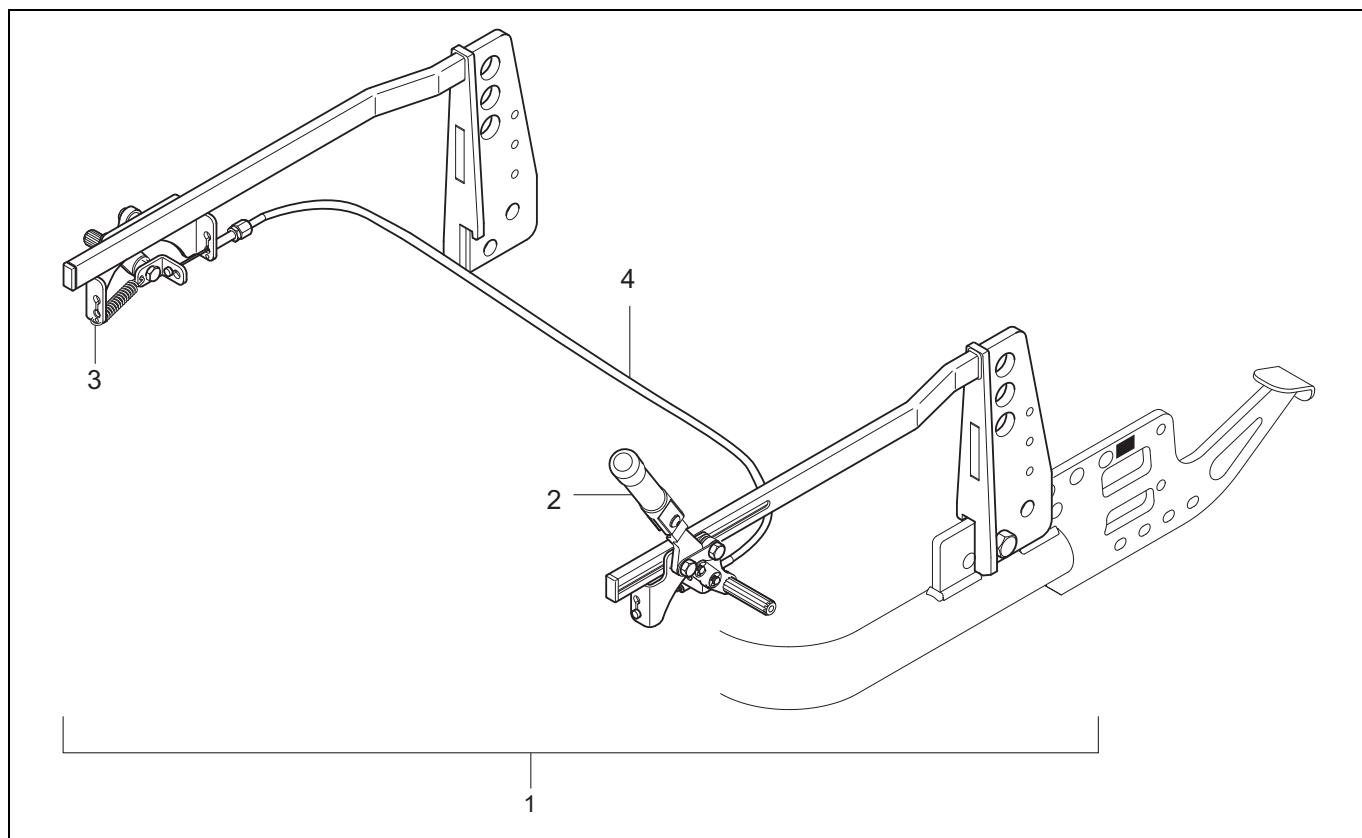
Pos	Article number	Units	Description
1-20	-	1	Electrical lift; no longer available
1	00000.4014	4	Cyl cap screw M6X50
2	02010.6182	2	Upper block
3	00000.2002	4	Washer flat M6 DIN125A/VZ
4	02010.7682	2	Lower hinge block 22 mm
5	-	1	Electrical lift module; no longer available
6	00000.3608	2	Screw M6X12
7	00000.1404	1	Shaft lock washer 7MM
8	9001398	1	Hinge block
9	9001154	1	Axis gasspring
10	00000.1404	1	Shaft lock washer 7MM
11	9001547	1	Hinge bracket
12	9001548	2	Locknut M8 D985/8/vz
13	00000.4044	2	Washer flat M8 D125A/vz
14	9001838	1	Bellows large
15	9001841	1	Spring clip large
16	9001840	1	Spring clip small
17	9001839	1	Bellows small
18	00000.1702	4	Locknut M8 D985/8/vz
19	00000.2003	4	Washer flat M8
20	00000.4312	4	Hex bolt M8x16
A			See 027: Supplementation set for electrical adjustments

027 Supplementation set for electrical adjustments



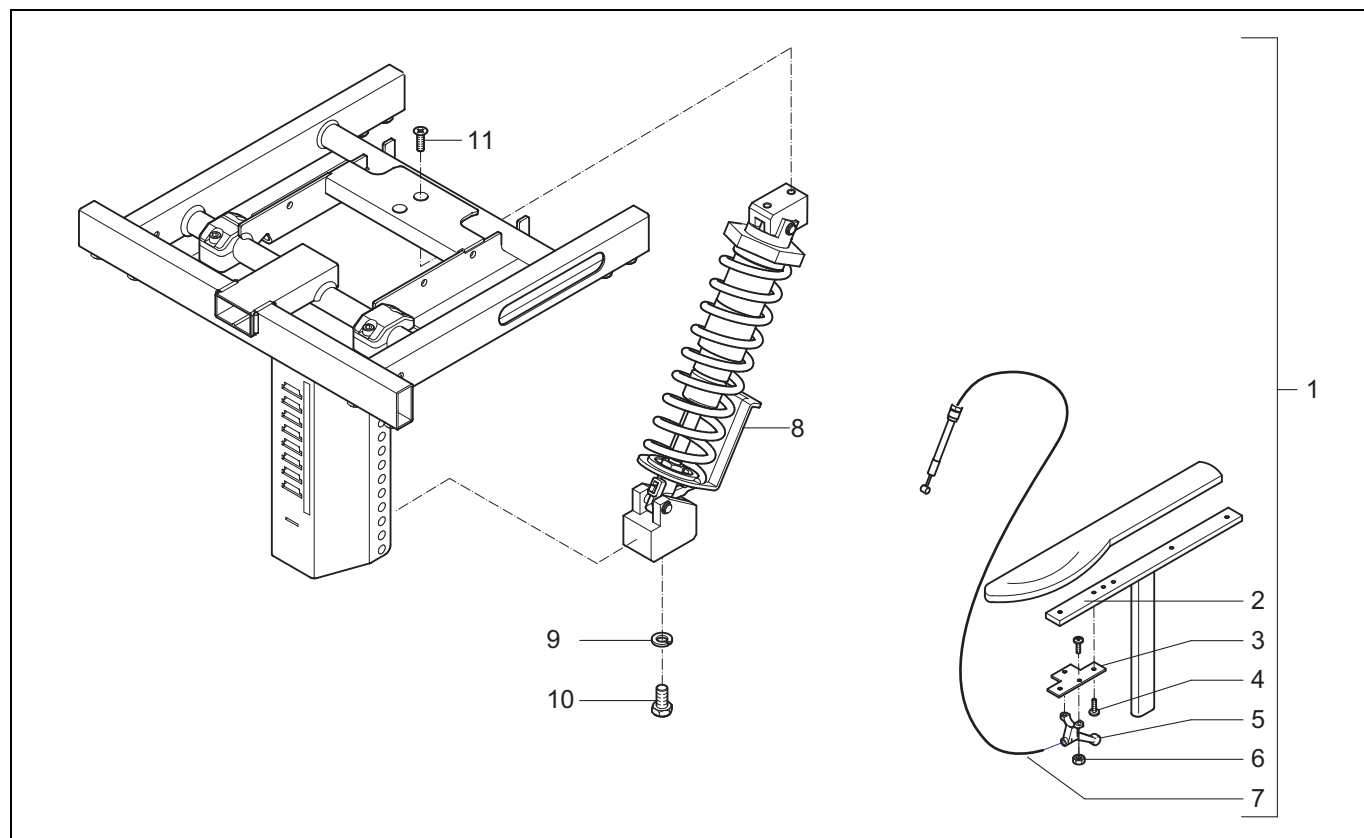
Pos	Article number	Units	Description	
1	1003378	1	Supplementation set for electrical adjustments	
2	008.00000.251	1	Sticker, charger socket	
3	00000.1700	2	Locknut M5 D985/8/VZ	
4	00000.2101	2	Washer flat 3XD M5 D9021/VZ	
5	1003284	1	Electrical control	
6	9007369	1	Battery box for electrical adjustments	
7	00000.4313	4	Hex bolt M6x16	
8	00000.3716	2	Button head M5X12 VZ	
9	00355.5572	1	AMP plug 2-polig	
10	00355.5553	2	AMP contact female	
11	9001604	1	Batterycover	
12	00355.4301	1	Fuse holder	
13	005.01190.000	1	Blade fuse 15A	
14	00355.4015	2	Battery	
15	9001019	1	Power pack mounting plate right	
16	00000.2003	2	Washer flat M8 D125A/vz	
17	00000.4312	1	Hex bolt M8x16	
18	00000.1702	1	Locknut M8 D985/8/vz	
19	9001015	1	Power pack mounting plate left	
20	00000.2002	4	Washer flat M6 D125A/VZ	
21	00000.1701	4	Locknut M6 D985/8/VZ	
22	00000.4303	1	Hex. tap bolt M8X35 D933/8.8 VZ	
23	1003403	1	Charger	

028 Coupled push brake Ibis XA



Pos	Article number	Units	Description	
1	1003167	1	Coupled push brake, left	
	1003168	1	Coupled push brake, right	
2	9001551	1	Brake, active, left	
	9001668	1	Brake, active, right	
3	9001671	1	Brake, passive, left	
	9001552	1	Brake, passive, right	
4	9001515	1	Cable for coupled brake	

029 Tilt operated by user



Pos	Article number	Units	Description	
1	1003521	1	Self tilt 60-90 KG	
	1003522	1	Self tilt 90-120 KG	
2	00000.3606	2	Screw pl.verz/kr M5X16 VZ	
3	9001364	1	Mounting bracket	
4	1002641	2	Self tapping screw M5x20	
5	00000.6410	1	Handle	
6	00000.1700	2	Locknut M5 D985/8/VZ	
7	9001511	1	Cable for self tilt	
8	9001631	1	Self tilt module 60-90 KG	
	9001632	1	Self tilt module 90-120 KG	
9	00000.2203	2	Spring washer SW8	
10	00000.4312	2	Hex bolt M8x16	
11	00000.3608	2	Screw M6X12	

01-01-2013
Version 2013v1

Page	Drawing	Position	Changes
30	1	14+15	Deleted article number 9001146 and 9001180
35	6	10	Changed article number 906.00000.031 into 1004189
35	6	10	Changed article number 906.00311.000 into 1004188
37	7	-	Added article number 9002008
46	13	9	Changed article numbers 9000980 and 9001442 into 9007003 and 9007204
48	15	4	Changed description of article numbers 1003695, 1003696 and 1003697
56	24	4	Deleted article number 1008315 PowerSupport remote housing (7 positions)
58, 59, 62	25, 26, 29	10, 6, 11	Changed description of article number 00000.3608: screw M8x16 into M6x12

01-01-2014
Version 2014 v1

Page	Drawing	Position	Changes
31	2	4	Deleted article number 1007684 and added position 4 to article number 1008057. Updated drawing
52	19a	5	Article number 9001258 was left and 9001257 was right. This had to be the other way around, changed 9001258 into right and 9001257 into left.
59	26	1 + 5	Deleted article numbers of the electrical lift: no longer available
60	27	6	Changed article number 9001603 into 9007369 and updated drawing

01-01-2015
Version 2015 v1

Page	Drawing	Position	Changes
5			Updated warranty text
30	1	14 15	Exchanged article numbers 9001181 and 9001182, they were reversed. 9001181 is right 9001182 is left.
44	11	4	Added Washer flat M6 DIN125A/VZ article number 00000.2002
48	15	4 5	Changed article number 1003696 into 84541 Added Spoke guards 20", 22" and 24" article number 02800.9200, 02800.9100 and 02800.9000
59	26	3 4	Added Washer flat M6 DIN125A/VZ article number 00000.2002 Changed description of article number 02010.7682: Lower hinge block 22 mm



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